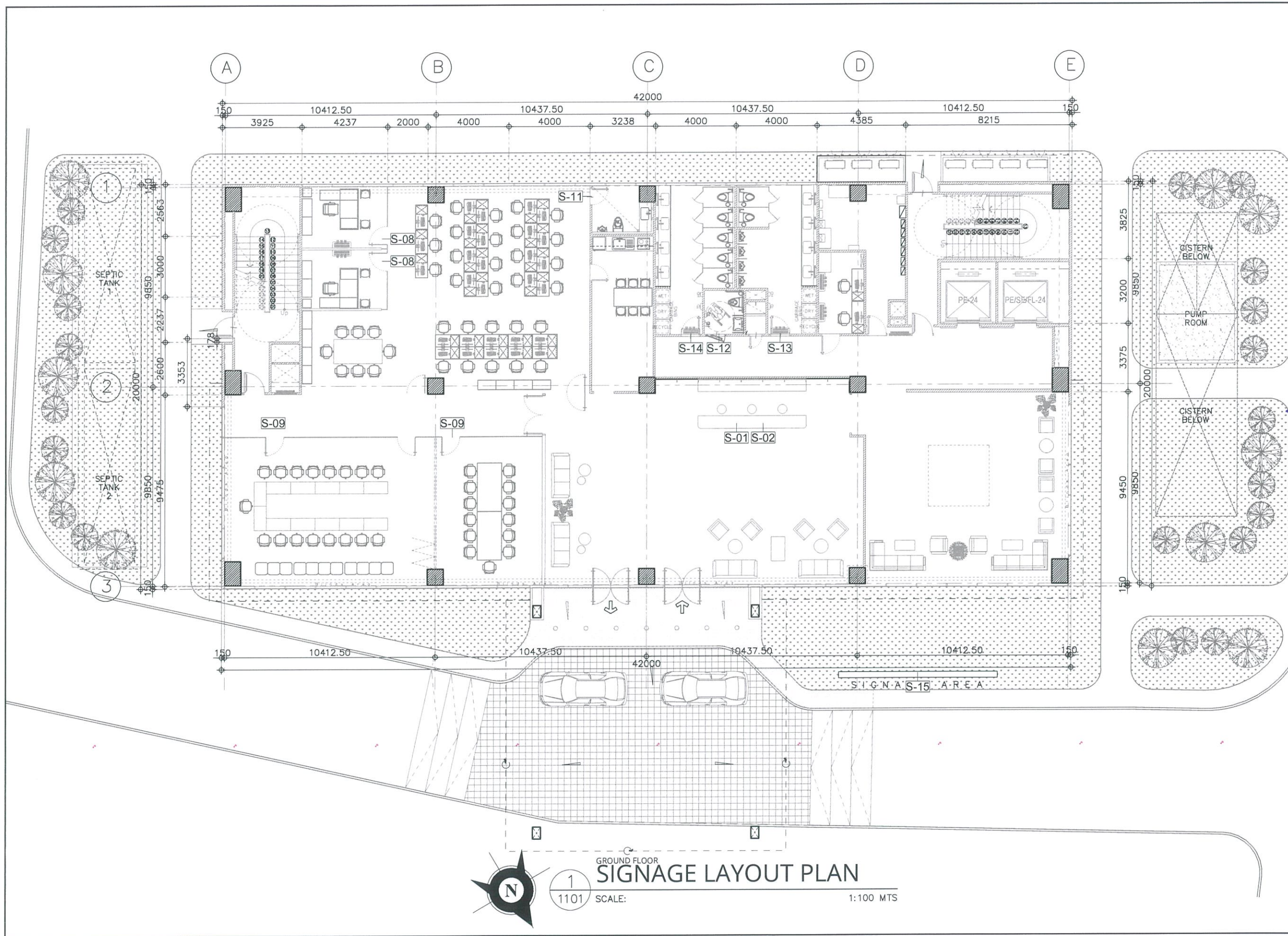




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 AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
 NAIA ROAD, 1300 PASAY CITY

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
 INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	IDDD
DRAWN BY:	IDDD <i>4</i>
CHECKED BY:	

REVIEWED BY:

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 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 SIGNAGE LAYOUT PLAN

DRAWING SCALE:	SHEET NO:
AS SHOWN	A-1101



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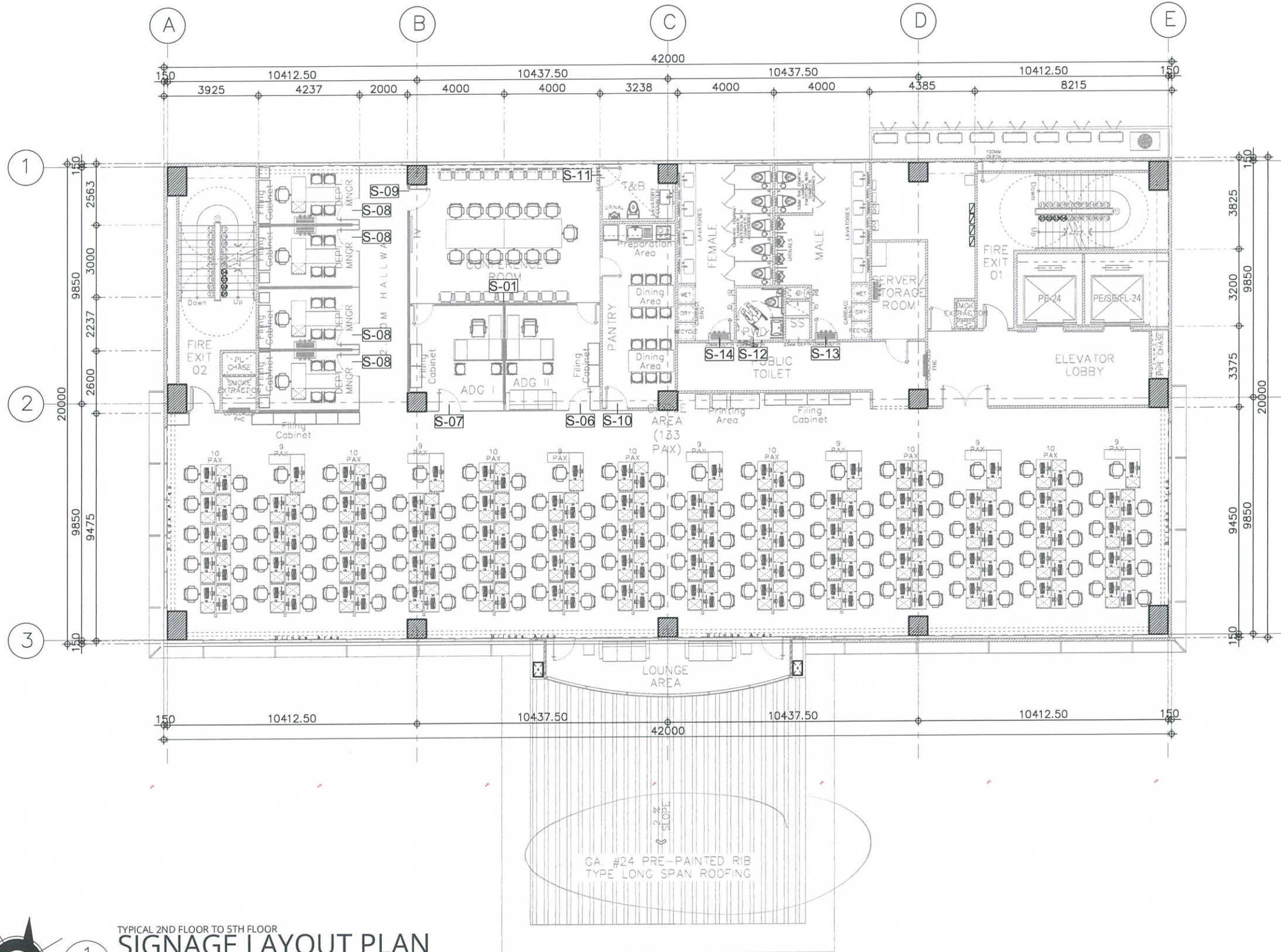
NEW CAAP BUILDING

LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:
• TYP. 2ND FLR. TO 5TH FLR.
SIGNAGE LAYOUT PLAN

DRAWING SCALE: SHEET NO.:
AS SHOWN A-1102



1
1102

TYPICAL 2ND FLOOR TO 5TH FLOOR SIGNAGE LAYOUT PLAN

SCALE: 1:100 MTS



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AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

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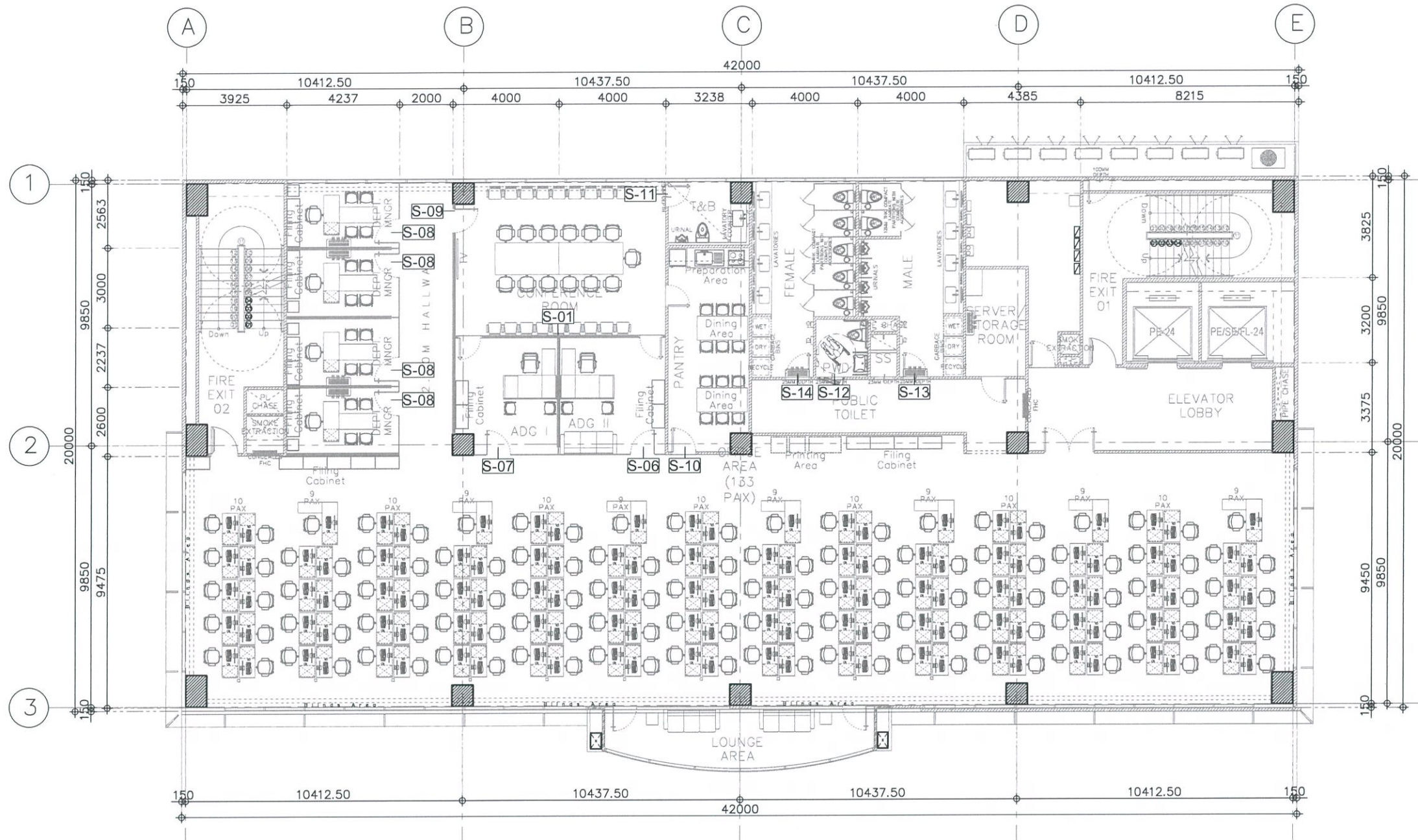
LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

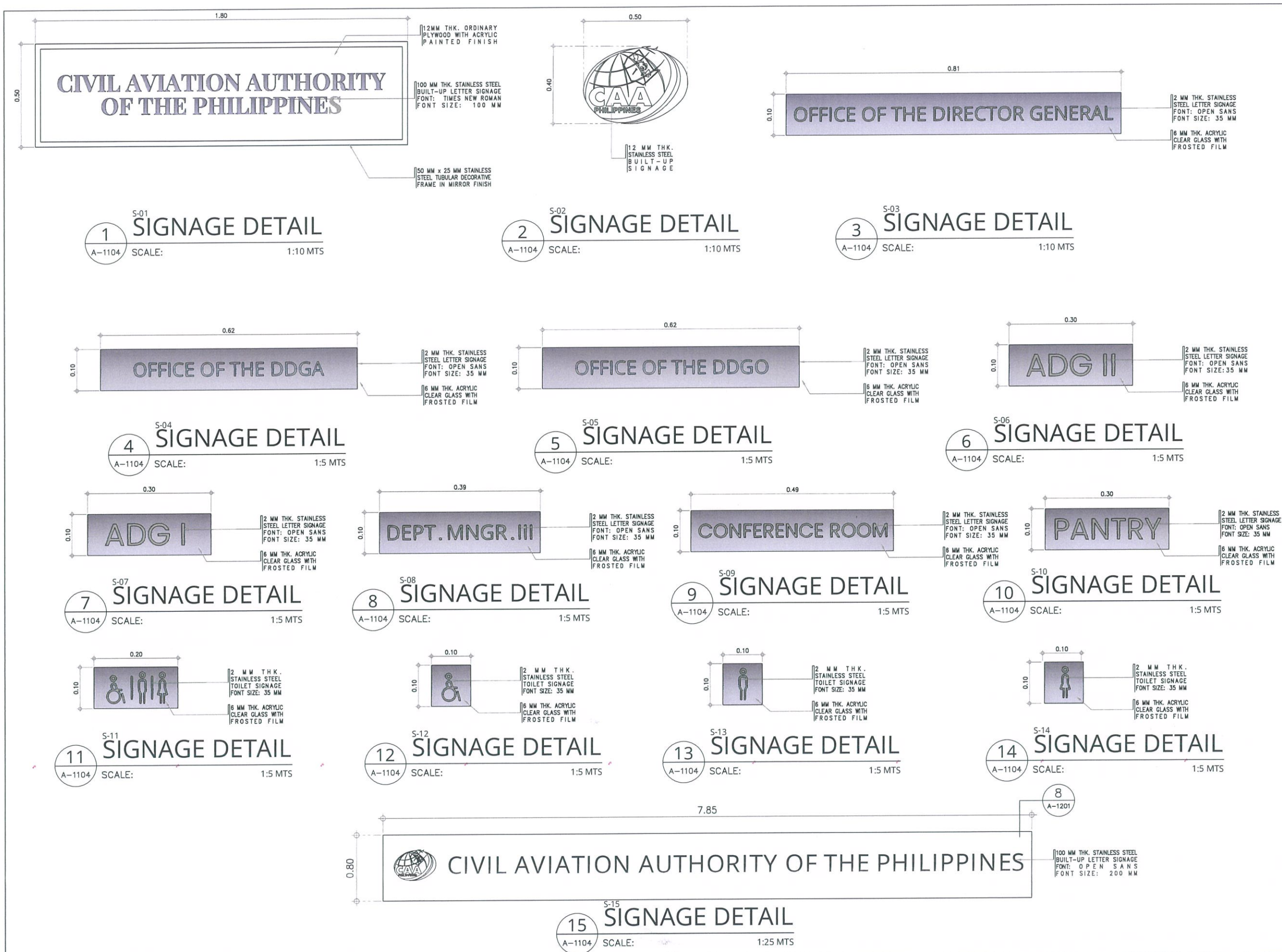
SHEET CONTENTS:

• SIXTH FLOOR SIGNAGE
LAYOUT PLAN

DRAWING SCALE:	SHEET NO:
AS SHOWN	A-1103



SIXTH FLOOR
SIGNAGE LAYOUT PLAN
SCALE: 1:100 MTS





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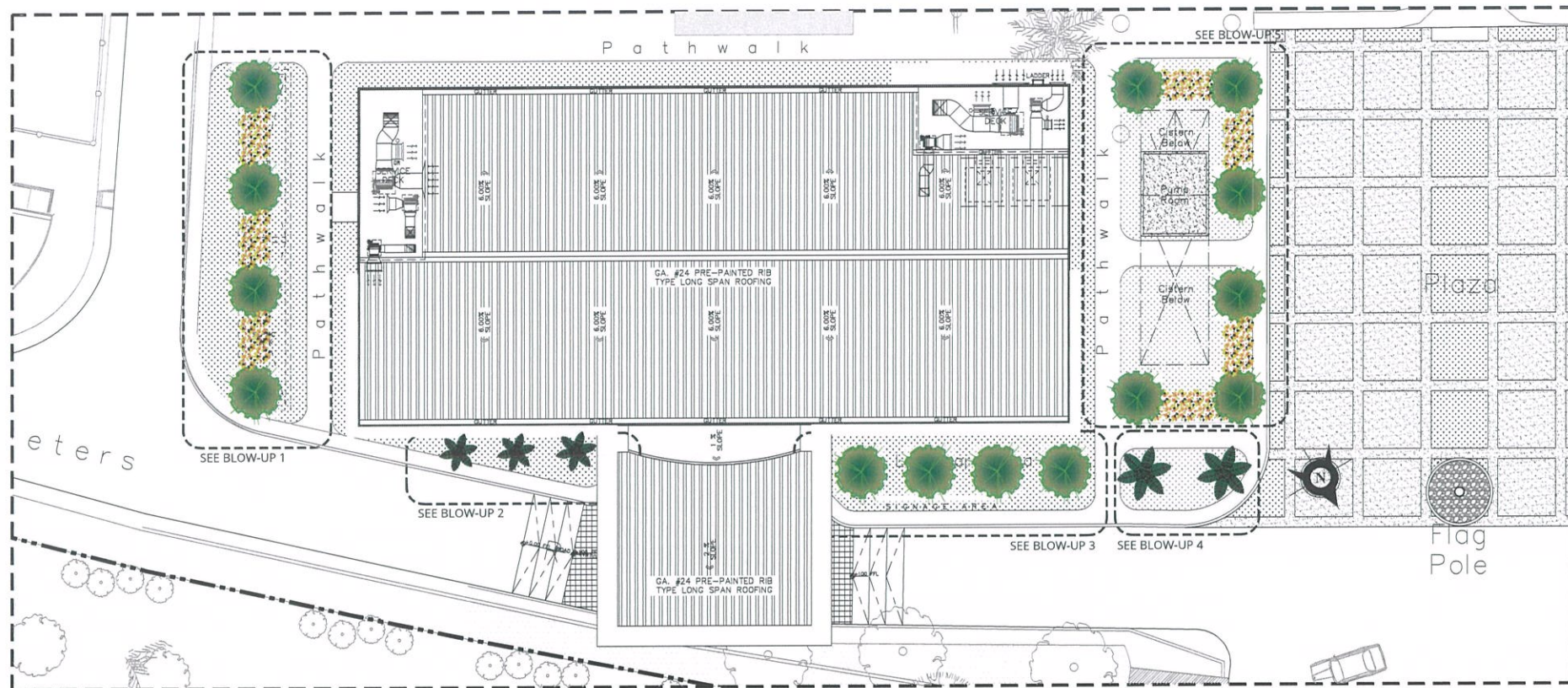
LOCATION:

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NAIA ROAD, PASAY CITY

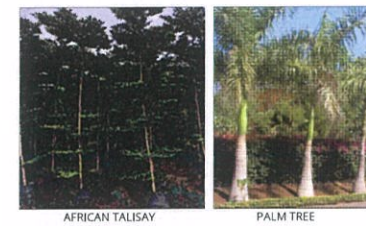
SHEET CONTENTS:

- SIGNAGE DETAILS

DRAWING SCALE:	SHEET NO:
AS SHOWN	A-1104

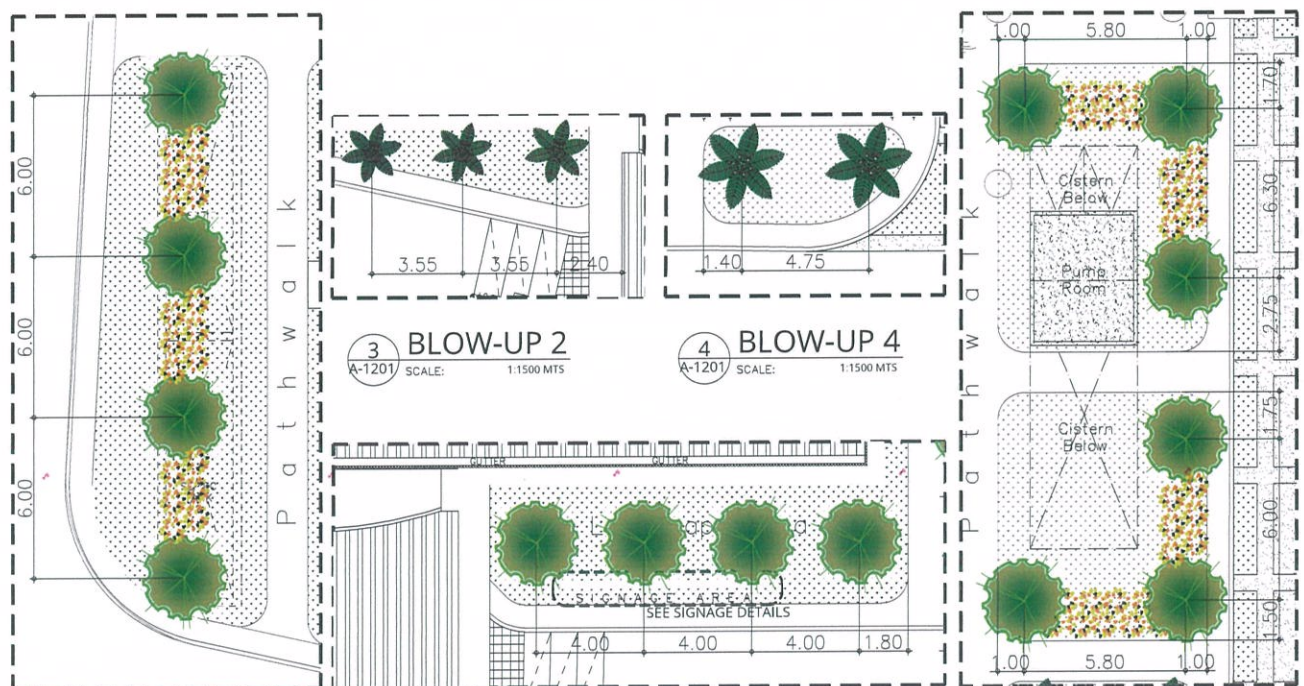


1 LANDSCAPING LAYOUT
SCALE: 1:2000 MTS



LEGEND:

	AFRICAN TALISAY
	PALM TREE
	EUGENIA PLANT
	GROUND COVER (FROG GRASS)



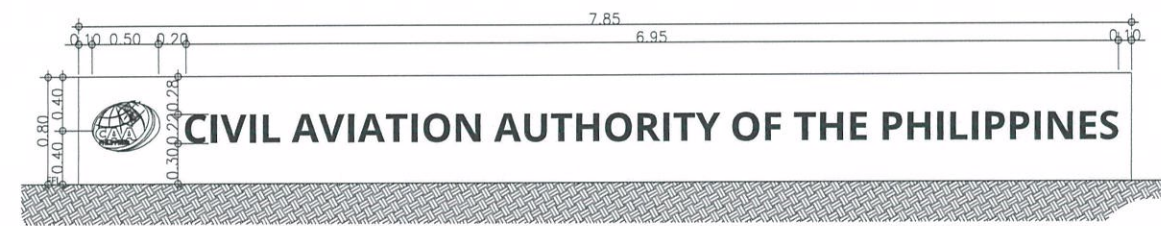
2 BLOW-UP 1
SCALE: 1:1500 MTS

3 BLOW-UP 2
SCALE: 1:1500 MTS

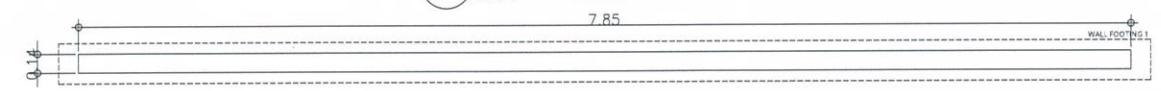
4 BLOW-UP 4
SCALE: 1:1500 MTS

5 BLOW-UP 3
SCALE: 1:1500 MTS

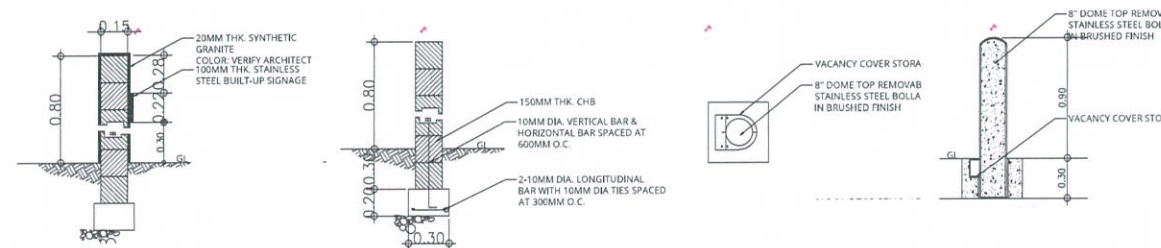
6 BLOW-UP 5
SCALE: 1:1500 MTS



7 ELEVATION
SCALE: 1:300 MTS



8 FOUNDATION PLAN
SCALE: 1:250 MTS



9 SECTION
SCALE: 1:300 MTS

10 DETAIL SECTION OF WF1
SCALE: 1:300 MTS

11 BOLLARD DETAILS
SCALE: 1:300 MTS

12 BOLLARD DETAILS
SCALE: 1:300 MTS



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INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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NEW CAAP OFFICE BUILDING

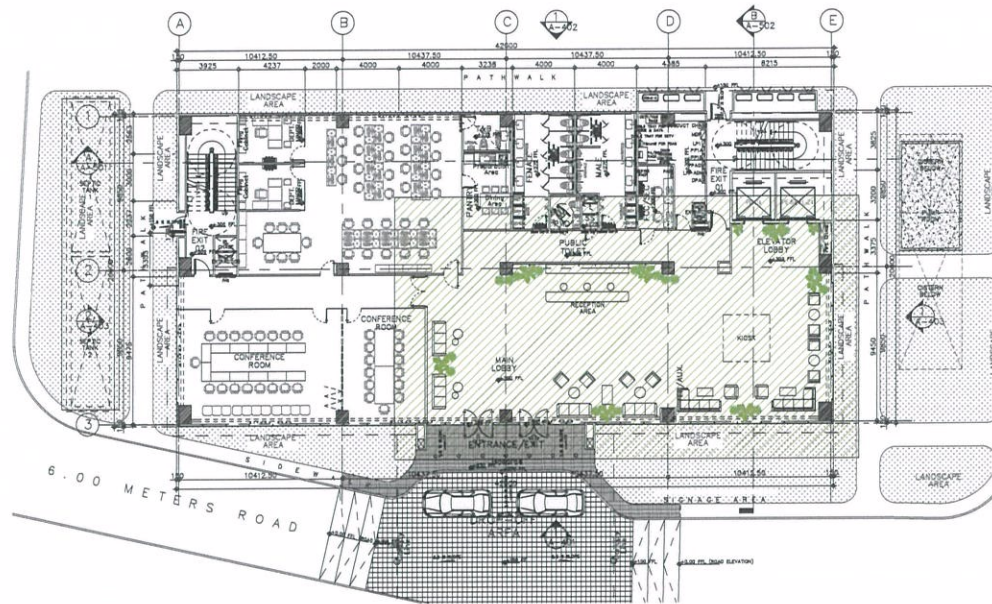
LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

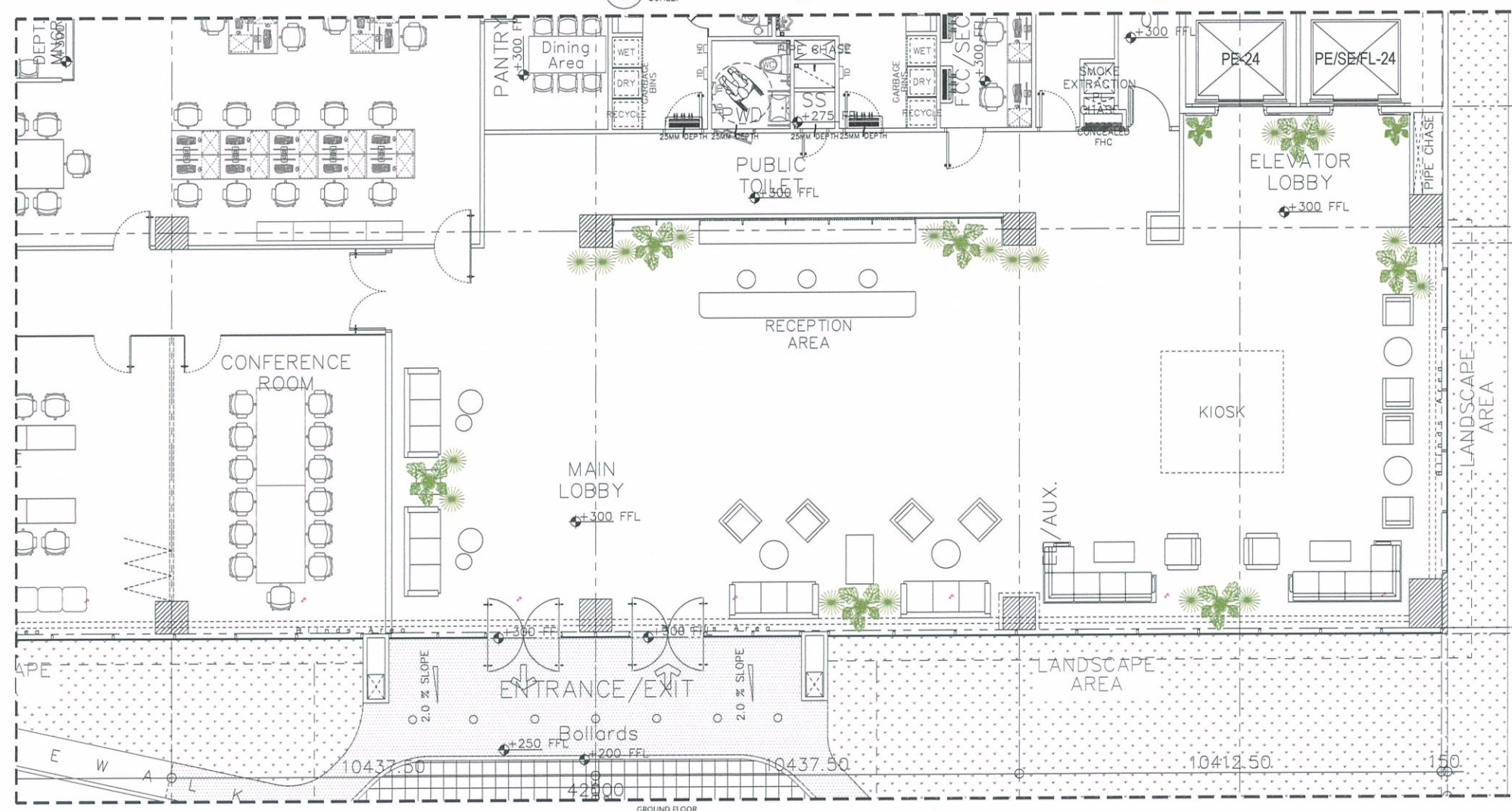
- LANDSCAPING LAYOUT
- LANDSCAPING DETAILS
- SIGNAGE DETAILS
- BOLLARD DETAILS

DRAWING SCALE:	SHEET NO:
AS SHOWN	A-1201



LEGEND:	
	SWISS CHEESE PLANT
	BUTTERFLY PALM

1 KEY PLAN
A-1202 SCALE: NTS



2 INDOOR PLANT LAYOUT
A-1202 SCALE: 1:750 MTS



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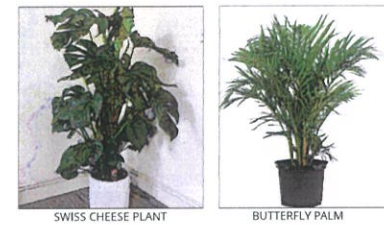
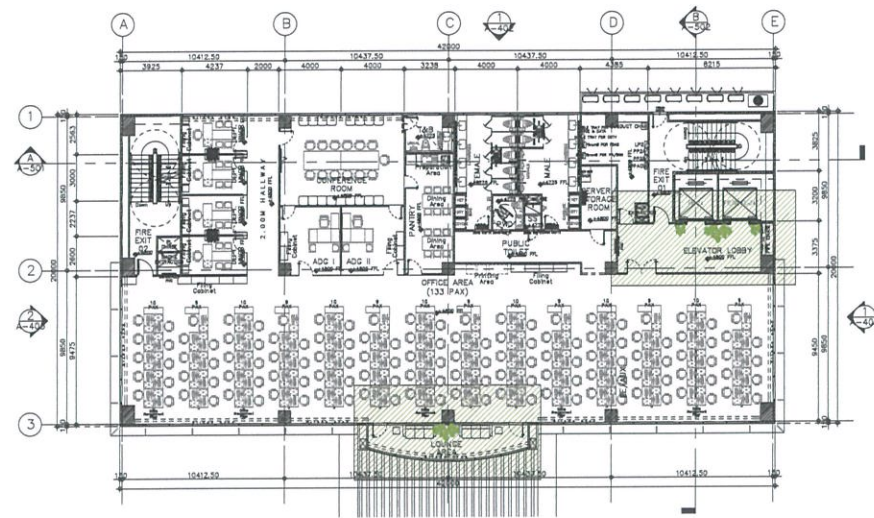
NOTES/REVISIONS:

PROJECT:
NEW CAAP OFFICE BUILDING

LOCATION:
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NAIA ROAD, PASAY CITY

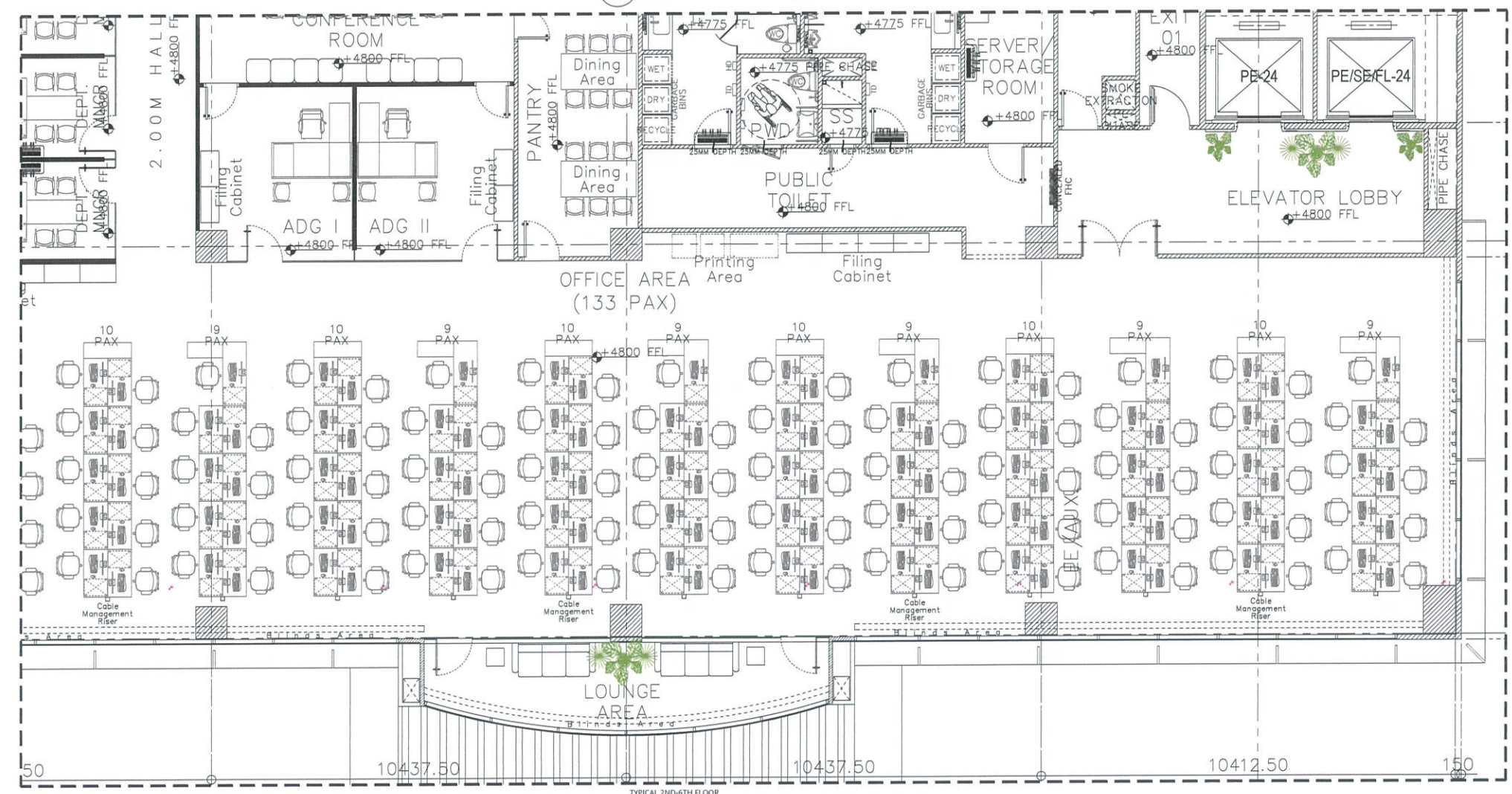
SHEET CONTENTS:
• GROUND FLOOR INDOOR PLANT LAYOUT

DRAWING SCALE:	SHEET NO:
AS SHOWN	A-1202



LEGEND:	
	SWISS CHEESE PLANT
	BUTTERFLY PALM

1
A-1203
SCALE: NTS
TYPICAL 2ND-6TH FLOOR
KEY PLAN



2
A-1203
SCALE: 1:750 MTS
TYPICAL 2ND-6TH FLOOR
INDOOR PLANT LAYOUT

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NOTES/REVISIONS:

PROJECT:

NEW CAAP OFFICE BUILDING

LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

- TYPICAL SECOND TO SIXTH FLOOR INDOOR PLANT LAYOUT

DRAWING SCALE:	SHEET NO:
AS SHOWN	A-1203

DESIGN CRITERIA			
DESIGN REFERENCES			
A. AMERICAN CONCRETE INSTITUTE (ACI PUBLICATIONS)			
B. ACI 318-2014 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE			
C. ACI 315-80 MANUAL OF STANDARD PRACTICE FOR DETAILS AND DETAILING OF CONCRETE REINFORCEMENT			
D. ACI 350 SEISMIC DESIGN OF LIQUID-CONTAINING STRUCTURES			
E. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) PUBLICATION: MANUAL OF STEEL CONSTRUCTION, NINTH EDITION "ALLOWABLE STRESS DESIGN" (ASD)			
F. AMERICAN WELDING SOCIETY (AWS) PUBLICATION D.1.1-2000			
G. AMERICAN SOCIETY FOR TESTING MATERIALS (ASTM)			
H. NATIONAL STRUCTURAL CODE OF THE PHILIPPINES (NSCP), 7TH EDITION			
I. ASSOCIATION OF STRUCTURAL ENGINEERS OF THE PHILIPPINES (ASEP) HANDBOOK OF STRUCTURAL STEEL SHAPES AND SECTIONS, 1987			
J. UNIFORM BUILDING CODE (UBC), VOL. 2 1997 EDITION			
DESIGN LOADS			
A. DEAD LOADS (DL)			
CONCRETE	23.6 kN/m ³		
STEEL	78 kN/m ³		
SOIL	18 kN/m ³		
FLOOR FINISH (CERAMIC TILES)	0.05 kPa		
ROOFING SHEETS (0.6MM THK)	0.18 kPa		
PE FOAM	0.10 kPa		
CEILING (GYPSUM BOARD 16MM)	0.10 kPa		
CHANNEL SYSTEM	0.10 kPa		
DUCT ALLOWANCE	0.20 kPa		
WATER PROOFING	0.26 kPa		
CONCRETE FILL FINISH	0.58 kPa		
MARBLE & MORTAR	1.58 kPa		
B. LIVE LOADS (LL)			
ROOF LIVE (RAFTER)	0.60 kPa		
ROOF LIVE (PURLIN)	1.00 kPa		
LOBBY/ROOF DECK	2.40 kPa		
REST ROOM	6.00 kPa		
SERVER ROOM	6.00 kPa		
POWER CENTER	12.00 kPa		
C. WIND LOAD (WL)			
ALL LOADINGS APPLICABLE TO THE STRUCTURE AND BUILDING SHALL BE COMPUTED BASED ON THE NATIONAL STRUCTURAL CODE OF THE PHILIPPINES 7TH EDITION (2015) IN CONSIDERATION OF THE FOLLOWING:			
WIND VELOCITY, V	250 kph		
OCCUPANCY CATEGORY	IV		
IMPORTANCE FACTOR, I	1.0		
EXPOSURE TYPE	B		
VELOCITY PRESSURE	0.613 Kz Kzt Kd V ²		
D. SEISMIC LOAD (EQ)			
ALL LOADINGS APPLICABLE TO THE STRUCTURE AND BUILDING SHALL BE COMPUTED BASED ON THE NATIONAL STRUCTURAL CODE OF THE PHILIPPINES 7TH EDITION (2015) IN CONSIDERATION OF THE FOLLOWING:			
SEISMIC ZONE FACTOR, Z	0.40 (ZONE 4)		
IMPORTANCE FACTOR, I	1.0		
SOIL PROFILE TYPE	SC		
SEISMIC SOURCE TYPE	A		
NEAR SOURCE FACTOR, N _a	1.0		
NEAR SOURCE FACTOR, N _v	1.0		
GLOBAL DUCTILITY CAPACITY(BUILDINGS OR VERTICAL STRUCTURES), R	8.5		
GENERAL NOTES			
1. GENERAL NOTES AND TYPICAL STRUCTURAL DETAILS SHALL APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED			
2. THE CONTRACTOR SHALL EXAMINE THE DRAWINGS AND SHALL NOTIFY THE ENGINEER/ARCHITECT OF ANY DISCREPANCIES HE MAY FIND BEFORE PROCEEDING WITH THE WORK, OR DURING CONSTRUCTION			
3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORING AND BRACING FOR THE STRUCTURE THAT MAY BE IMPOSED DURING CONSTRUCTION			
4. INSPECTION - ALL CONSTRUCTION AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION, EXAMINATION AND TESTING BY THE ENGINEER. THE ENGINEER SHALL HAVE THE RIGHT TO REJECT DEFECTIVE MATERIALS AND WORKMANSHIP OR REQUIRE ITS CORRECTION.			
5. DO NOT SCALE DRAWINGS AND CALL-OUT DIMENSIONS. STANDARD CODE REQUIREMENTS SHALL GOVERN OVER UNSCALED DRAWINGS.			
6. ALL SLABS, BEAMS, GIRDERS AND OTHER STRUCTURAL ELEMENTS WHICH ARE NOT INDICATED, DETAILED, DESIGNATED OR ELABORATELY OMITTED BUT ARE NECESSARY TO BE COORDINATED WITH THE ARCHITECTURAL AND OTHER ENGINEERING PLANS AS WELL AS TO COMPLETE THE STRUCTURAL WORKS IN ACCORDANCE WITH THE INTENT OF THE PLANS AND SPECIFICATIONS SHALL BE BROUGHT UP DURING PRE-BIDS/MEETINGS/NEGOTIATIONS. IT IS UNDERSTOOD THAT THE CONTRACTOR HAS PROVIDED AND INCLUDED ALL THESE ITEMS IN THEIR BID.			
FOUNDATION NOTES			
1. SAFE BEARING CAPACITY (SBC) USED IN THE DESIGN = 200 KPA AND AT A MINIMUM DEPTH OF 2.50M FROM THE NATURAL GRADE LINE, AS ASSUMED BY CLIENT. THE STRUCTURAL ENGINEER-OF-RECORD, UPON NOTIFICATION, SHALL CONDUCT A THOROUGH INSPECTION OF THE FOUNDATION WORKS AFTER EXCAVATION BEFORE FOOTINGS ARE COMPLETED. NO REINFORCING STEEL OR FORMWORKS SHALL BE PLACED PRIOR TO INSPECTION. CONCRETE POURING OF THE FOUNDATION SYSTEM SHALL NOT BE ALLOWED WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER-OF-RECORD.			
2. NO FOOTING SHALL REST ON FILL UNLESS OTHERWISE SHOWN ON DRAWING.			
SLAB-ON-GRADE NOTES			
1. THE SOIL, SUBGRADE AND FILL LAYERS BELOW ALL SLABS-ON-GRADE, PAVING AND PIT SLABS SHALL BE MECHANICALLY COMPACTED IN 200MM THICK LAYERS TO A MINIMUM OF 95 PERCENT MOD.			
2. ALL SLAB-ON-GRADE SHALL BE PROVIDED WITH A MINIMUM OF 100MM THK. COMPACTED CLEAN COARSE GRAVEL BED, EXCEPT AS OTHERWISE DETAILED IN THE PLANS.			
3. ALL SLAB-ON-GRADE ARE NOT DESIGNED AS PRESSURE SLAB UNLESS OTHERWISE INDICATED ON PLAN.			
4. SLAB-ON-GRADE SHALL BE 150MM THICK WITH 10MM BARS AT 300MM.			
CONCRETE NOTES			
ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE NATIONAL STRUCTURAL CODE OF THE PHILIPPINES (NSCP) 2015 OR THE AMERICAN CONCRETE INSTITUTE BUILDING CODE FOR REINFORCED CONCRETE ACI 318-EXCEPT AS MODIFIED HEREIN.			
1. LOCATION OF ALL CONSTRUCTION OR COLD JOINTS MUST NOT BE WITHIN THE SUPPORT AREA. FOR CASE UNAVOIDABLE, PROPOSED LOCATION MUST BE APPROVED FIRST BY THE ENGINEER.			
2. PIPES OR DUCTS EXCEEDING ONE THIRD THE SLAB OR WALL THICKNESS SHALL NOT BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED. PIPES MAY PASS THROUGH STRUCTURAL CONCRETE IN SLEEVES, WITH MAXIMUM OF 2" (50MM) SLEEVE.			
3. REINFORCING BARS, ANCHOR BOLTS, AND OTHER INSERTS SHALL BE SECURED IN PLACE BEFORE POURING CONCRETE. BAR PLACEMENT AND SUPPORTS SHALL BE IN ACCORDANCE WITH THE RECOMMENDED ACI PRACTICE.			
4. ALL INSERTS, ANCHOR BOLTS, ETC. TO BE EMBEDDED IN THE CONCRETE SHALL BE HOT DIP GALVANIZED UNLESS NOTED OTHERWISE.			
5. IN GENERAL, THE LATEST EDITION OF THE MANUAL OF STANDARD PRACTICE FOR DETAILING CONCRETE STRUCTURES, ACI 315, SHALL BE ADHERED TO, UNLESS SHOWN OTHERWISE.			
6. USE OF ADMIXTURES IS PERMITTED TO PRODUCE PROPER SLUMP AND WORKABILITY BUT SUBJECT TO THE ENGINEER'S APPROVAL. ADDITION OF WATER TO CONCRETE AT JOB SITE IS NOT ALLOWED.			
7. PREPARE AND SUBMIT CONCRETE MIX DESIGN INCLUDING AGGREGATES GRADATION, WATER AND CEMENT CONTENTS, AND CYLINDER STRENGTH TEST RESULT FOR REVIEW.			
SCHEDULE OF STRUCTURAL CONCRETE AT 28 DAYS COMPRESSIVE STRENGTH			
LOCATION	STRUCTURAL ELEMENTS	28-DAY COMPRESSIVE STRENGTH (Mpa) (psi)	MAX SLUMP mm (in)
FOUNDATION	FOOTING	41.4 (6000)	125-175 (5"-7")
ALL LEVELS	GIRDER/B.EAM	34.5 (5000)	125-175 (5"-7")
ALL LEVELS	COLUMN/PEDESTAL	48.3 (7000)	125-175 (5"-7")
ALL LEVELS	SUSPENDED SLAB	34.5 (5000)	125-175 (5"-7")
GROUND LVL	SLAB ON GRADE	20.7 (3000)	125-175 (5"-7")
UNDERGROUND	TANKS	27.6 (4000)	125-175 (5"-7")
SCHEDULE OF CONCRETE AGGREGATES			
ITEMS	MAXIMUM AGGREGATE SIZE		
FOOTINGS	19 mm (3/4")		
SLABS	13 mm (1/2")		
WALLS	13 mm (1/2")		
BEAMS	13 mm (1/2")		
COLUMNS	13 mm (1/2")		

REINFORCING STEEL NOTES:

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE NATIONAL STRUCTURAL CODE OF THE PHILIPPINES (NSCP) 2010 OR THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION FOR REINFORCING STEEL AND REINFORCING BARS EXCEPT AS MODIFIED HEREIN.

SCHEDULE OF REINFORCING STEEL AND REINFORCING BARS

DIAMETER OF BARS	ASTM	GRADE
WELDED WIRE MESH*	—	Fy = 228 MPa (33)
10mm# AND SMALLER	A615 / A615M (DEFORMED)	Fy = 276 MPa (40)
12mm# AND LARGER	A615 / A615M (DEFORMED)	Fy = 414 MPa (60)

1. BARS SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIALS LIKELY TO IMPAIR BOND. ALL REINFORCING BAR BEND SHALL BE MADE COLD.

2. IN GENERAL, BAR SPLICES SHALL BE MADE AT POINTS OF MINIMUM STRESS. SPLICES SHALL BE SECURELY WIRED TOGETHER STAGGER SPLICES AT LEAST 600mm. WHENEVER POSSIBLE IN BEAMS AND SLABS, SPLICE TOP BARS AT MID SPAN AND BOTTOM BARS NEAR SUPPORT. SPLICE OF REINFORCEMENT SHALL BE MADE ONLY AS REQUIRED OR PERMITTED ON DESIGN DRAWINGS OR AS ALLOWED BY THE ACI CODE OR AS AUTHORIZED BY THE ENGINEERS.

3. BARS NOTED AS CONTINUOUS SHALL HAVE A MINIMUM SPLICE LENGTH OF 40 BAR DIAMETER BUT NOT LESS THAN 300mm, UNLESS OTHERWISE NOTED.

4. REINFORCEMENTS SHALL BE SPLICED ONLY AS INDICATED ON THE DRAWINGS.

5. MINIMUM CONCRETE COVER FOR REINFORCING BARS SHALL BE:

ITEMS	COVER
CONCRETE CAST AGAINST EARTH	75mm
EXPOSED TO EXTERIOR OR WEATHER	50mm
FORMED SURFACE BELOW GRADE	50mm
SLAB ON GRADE	50mm
COLUMNS AND BEAMS	40mm
STRUCTURAL SLABS TOP & BOTTOM (INTERIOR)	20mm
R.C. WALLS	50mm

6. WELDING OF REINFORCING STEEL IS NOT PERMITTED UNLESS MATERIAL TEST RESULT PROVES THAT THE BAR IS WELDABLE.

7. SHOP DRAWINGS - THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REINFORCING STEEL PREPARED IN ACCORDANCE WITH ACI 315. INDICATE BENDING DIAGRAM, ASSEMBLY DIAGRAM, SPLICING AND LAPS OF RODS AND SHAPES DIMENSIONS AND DETAILS FOR REINFORCING BARS.

8. ANCHOR BOLTS, DOWELS AND OTHER EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED.

SCHEDULE OF DEVELOPMENT LENGTH

BAR SIZE (GR. 60)	DEVELOPMENT LENGTH (Ld)						
	f'c=21Mpa (3000PSI)	f'c=28Mpa (4000PSI)	f'c=34Mpa (5000PSI)	f'c=42Mpa (6000PSI)	f'c=48Mpa (7000PSI)	f'c=55Mpa (8000PSI)	f'c=68Mpa (10000PSI)
10# (#3)	450	400	350	325	300	275	250
12# (#4)	525	475	425	375	350	325	300
16# (#5)	700	625	550	500	475	425	400
20# (#6)	875	775	675	625	575	550	475
22# (#7)	975	850	750	675	625	600	525
25# (#8)	1350	1175	1050	950	900	825	750
28# (#9)	1500	1300	1175	1075	1000	925	825
32# (#10)	1725	1500	1350	1225	1125	1050	950
36# (#11)	1950	1675	1500	1375	1275	1200	1075

SCHEDULE OF LAP SPICE

BAR SIZE (GR. 60)	LAP SPICE (Lb)						
	f'c=21Mpa (3000PSI)	f'c=28Mpa (4000PSI)	f'c=34Mpa (5000PSI)	f'c=42Mpa (6000PSI)	f'c=48Mpa (7000PSI)	f'c=55Mpa (8000PSI)	f'c=68Mpa (10000PSI)
10# (#3)	600	525	475	425	400	375	325
12# (#4)	700	625	575	500	475	425	400
16# (#5)	925	825	725	650	625	575	525
20# (#6)	1150	1025	900	825	750	725	625
22# (#7)	1275	1125	975	900	825	800	700
25# (#8)	1775	1550	1375	1250	1175	1075	975
28# (#9)	1950	1700	1550	1400	1300	1225	1075
32# (#10)	2250	1950	1775	1600	1475	1375	1250
36# (#11)	2550	2200	1950	1800	1675	1575	1400

SCHEDULE OF DEVELOPMENT LENGTH OF STANDARD HOOKS

BAR SIZE (GR. 60)	DEVELOPMENT LENGTH OF STANDARD HOOKS (Ldh)						
	f'c=21Mpa (3000PSI)	f'c=28Mpa (4000PSI)	f'c=34Mpa (5000PSI)	f'c=42Mpa (6000PSI)	f'c=48Mpa (7000PSI)	f'c=55Mpa (8000PSI)	f'c=68Mpa (10000PSI)
10# (#3)	220	190	170	155	150	150	150
12# (#4)	245	230	205	190	175	165	150
16# (#5)	350	305	275	250	230	215	195
20# (#6)	440	390	340	310	290	270	240
22# (#7)	485	420	375	340	315	295	265
25# (#8)	550	475	425	390	360	335	300
28# (#9)	615	530	475	435	405	375	340
32# (#10)	700	610	545	495	460	430	385
36# (#11)	790	685	610	560	515	485	435

BAR SIZE (GR. 40)	DEVELOPMENT LENGTH OF STANDARD HOOKS (Ldh)						
	f'c=21Mpa (3000PSI)	f'c=28Mpa (4000PSI)	f'c=34Mpa (5000PSI)	f'c=42Mpa (6000PSI)	f'c=48Mpa (7000PSI)	f'c=55Mpa (8000PSI)	f'c=68Mpa (10000PSI)
10# (#3)	150	150	150	150	150	150	150
12# (#4)	175	155	150	150	150	150	150

STANDARD HOOKS, ALL GRADES

BAR SIZE	FINISHED BEND DIAMETER, D (MM)	STANDARD HOOKS	
		90°	180°
		X (MM)	Y (MM)
10# (#3)	60	180	100
12# (#4)	72	216	120
16# (#5)	96	288	160
20# (#6)	120	360	200
22# (#7)	132	396	220
25# (#8)	150	450	250
28# (#9)	224	560	336
32# (#10)	256	640	384
36# (#11)	288	720	432

STIRRUPS AND TIE HOOKS, ALL GRADES

BAR SIZE	D (mm)	GENERAL USE			SEISMIC USE	
		90° HOOK	135° HOOK		135° HOOK	
		X	Y	H APPROX.	Z	H APPROX.
10#(#3)	40	105mm	105mm	55mm	130mm	90mm
12#(#4)	55	115mm	115mm	80mm	170mm	145mm
16#(#5)	65	155mm	140mm	100mm	205mm	140mm
20#(#6)	145	305mm	200mm	145mm	275mm	170mm
25#(#8)	155	410mm	265mm	145mm	365mm	230mm

GENERAL USE

SEISMIC USE

STRUCTURAL STEEL NOTES

1. STEEL TO BE USED FOR FABRICATION AND ERECTION OF THIS STRUCTURE SHALL COMPLY WITH ALL THE PERTINENT PROVISIONS OF AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS 1989 – 9TH EDITION

STRUCTURAL STEEL MEMBERS.....ASTM A-36, GR 36 OR A992
F_y = 248 MPa (36ksi)
LC PURLIN.....F_y = 248 MPa (36ksi)
STEEL PLATES.....F_y = 248 MPa (36ksi)

2. ALL BOLTS, NUTS AND WASHERS SHALL CONFORM TO A325 UNLESS OTHERWISE INDICATED. ANCHOR BOLTS SHALL LIKEWISE BE OF EQUAL STRENGTH AS A325 BOLTS OF THE SAME.

3. ALL WELDS SHALL BE IN ACCORDANCE WITH AWS STRUCTURAL WELD CODE D1-1 LATEST REVISION FOR SHIELDING METAL ARC WELDING PROCESS, ELECTRODES E-70 SHALL CONFORM TO AWS A5-1 OR LATEST EDITION. SUBMERGED ARC WELDING PROCESS MAY BE USED AT THE OPTION OF FABRICATOR UPON THE APPROVAL OF ENGINEER.

CORNER SLAB

DROP SLAB

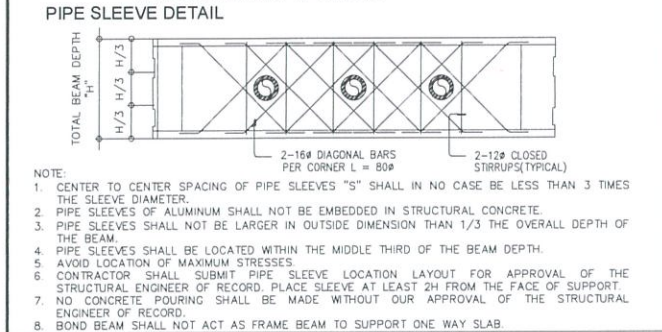
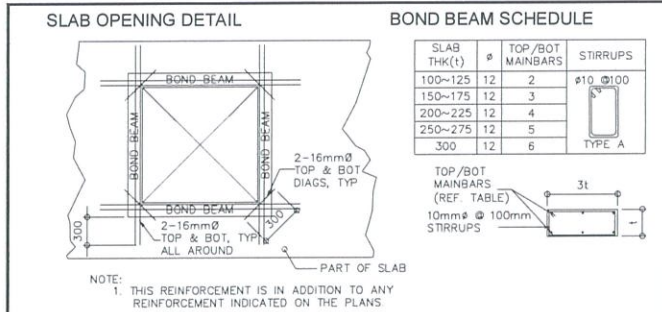
TYPICAL EQUIPMENT PAD DETAIL

TRENCH DETAILS

ACROSS SLAB

ACROSS BEAM

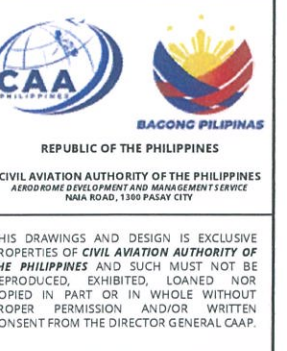
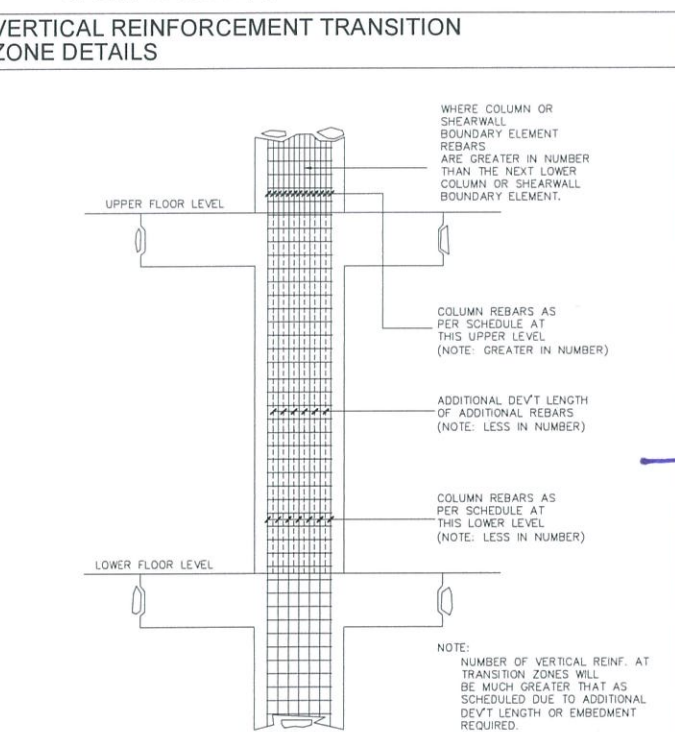
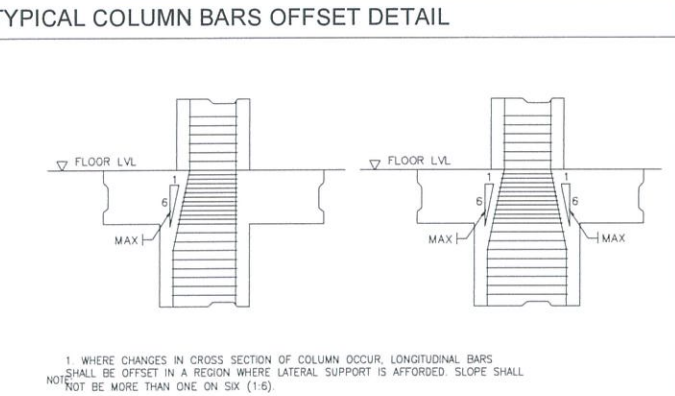
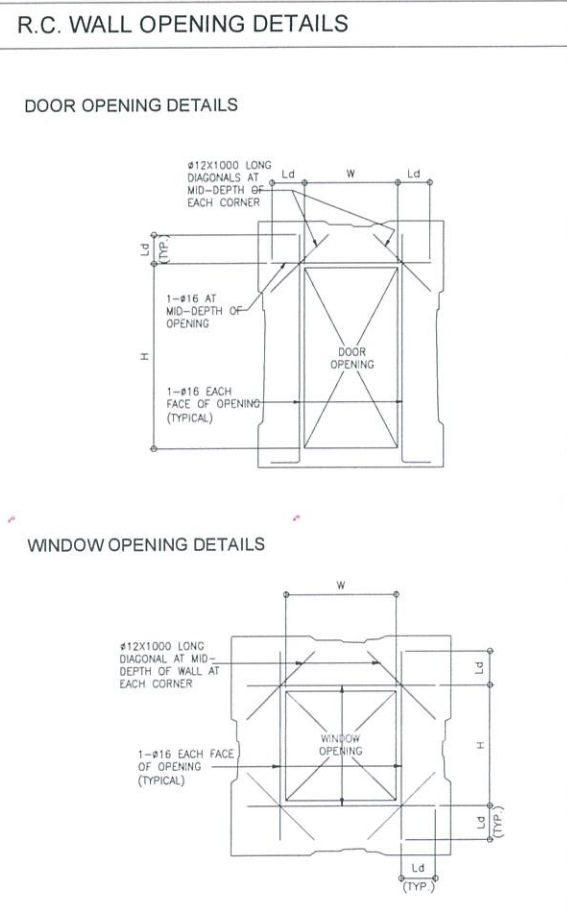
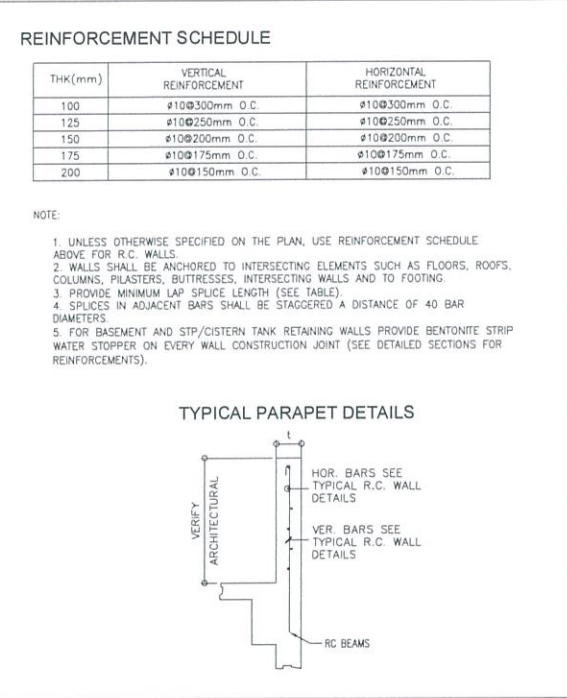
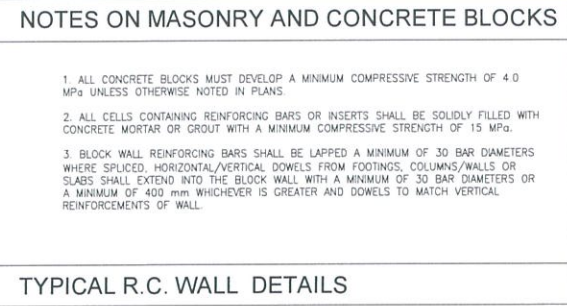
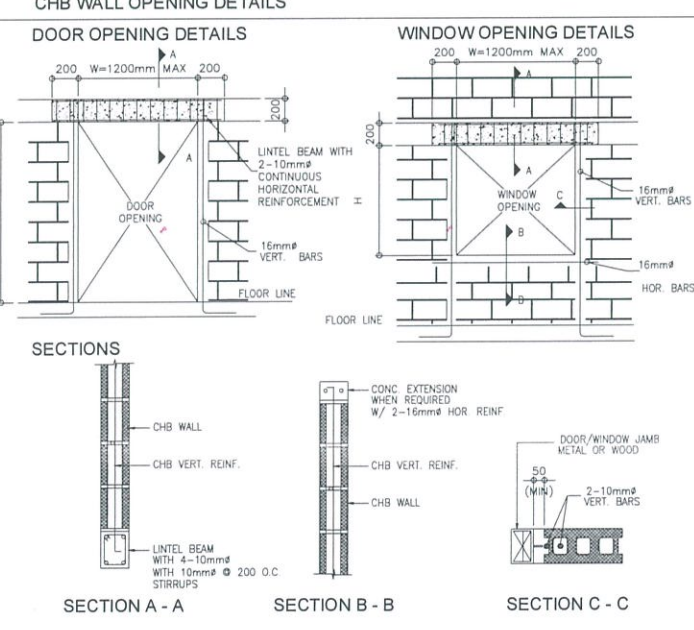
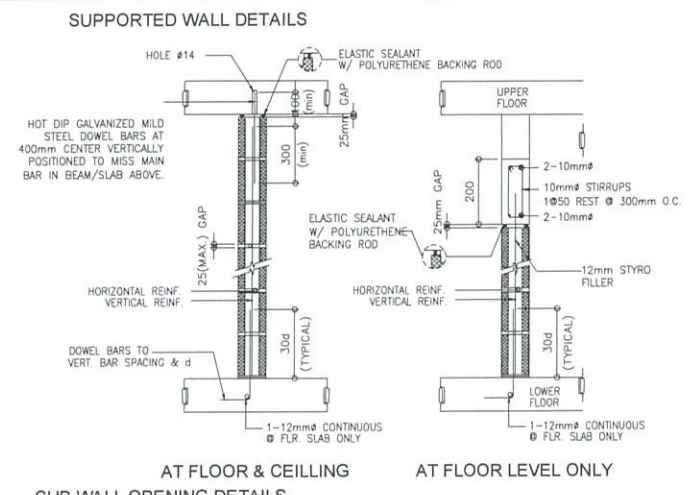
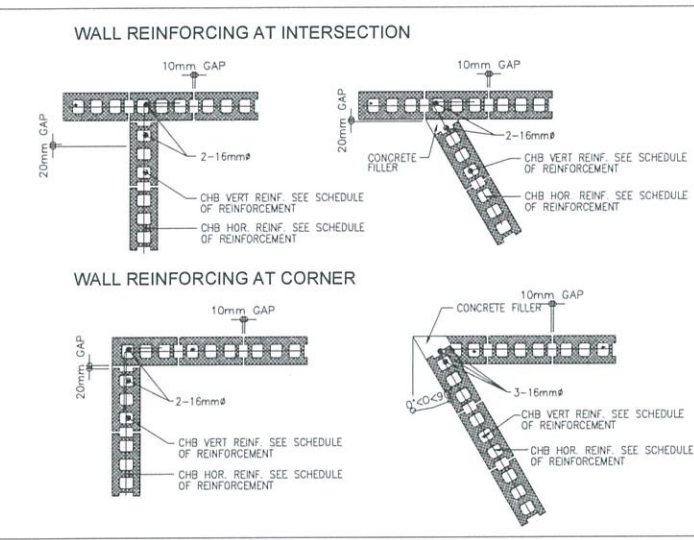
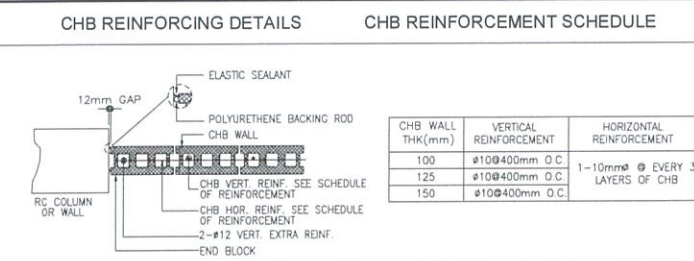
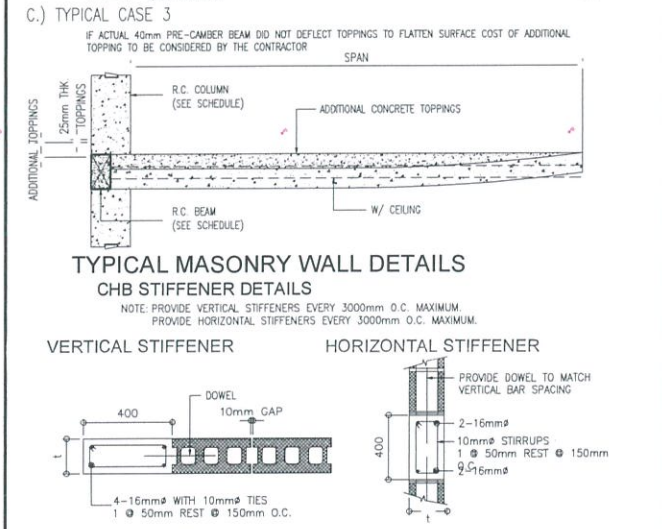
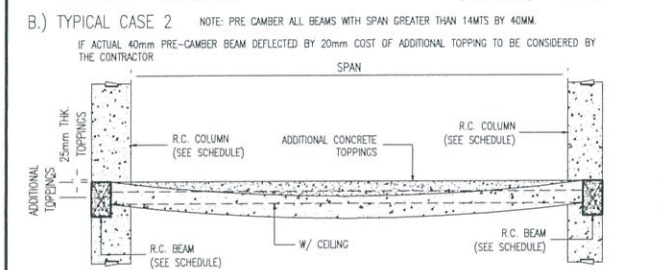
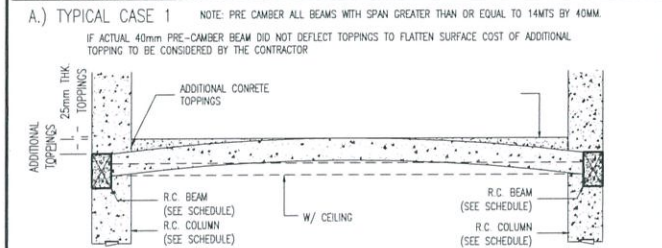
TYPICAL DROP WALL DETAILS



ABBREVIATIONS:

BT	BOTTOM TOP BARS	BM	BOTHWAYS
BB	BOTTOM BARS	BF	BOTHFACE
CB	CLEAR	CL	ON CENTER
CF	EACH FACE	CL	CLEAR
CJ	CONSTRUCTION JOINT	CL	CLEAR
CE	EXPANSION JOINT	CL	CLEAR
CK	WELDED WIRE FABRIC	CL	CLEAR
CT	TOP CHORD	CL	CLEAR
CT	BOTTOM CHORD	CL	CLEAR
CT	WEB MEMBER	CL	CLEAR
CT	ELEVATION	CL	CLEAR
CT	TOP OF CONCRETE	CL	CLEAR
CT	TOP OF STEEL	CL	CLEAR
CT	CONTROL JOINT	CL	CLEAR
CT	PREMOULDED JOINT FILLER	CL	CLEAR
CT	TYPICAL	CL	CLEAR

TYPICAL PRE CAMBER DETAILS FOR BEAM



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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:

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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:

NO.	REVISION	DATE

PROJECT: NEW CAAP BUILDING

LOCATION: CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS: CONSTRUCTION NOTES

DRAWING SCALE: AS SHOWN

SHEET NO: CN-2

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

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Division Chief II, IDDD-AED

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Director General

NOTES/REVISIONS:

PROJECT:

NEW CAAP BUILDING

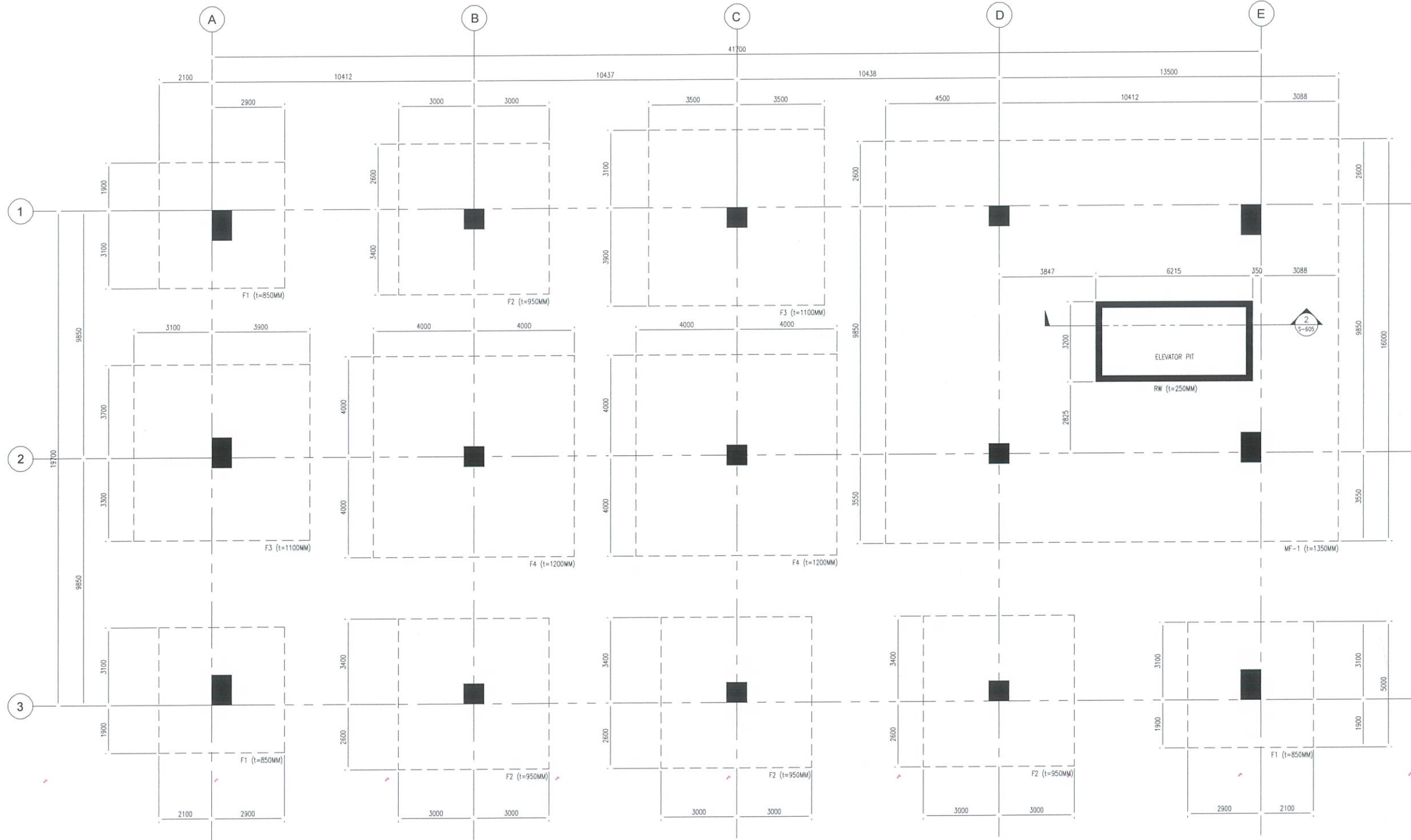
LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

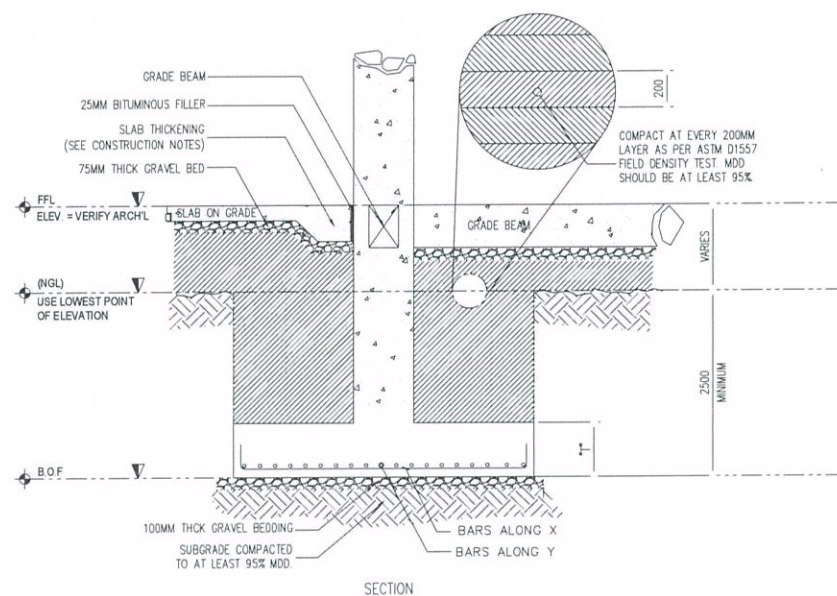
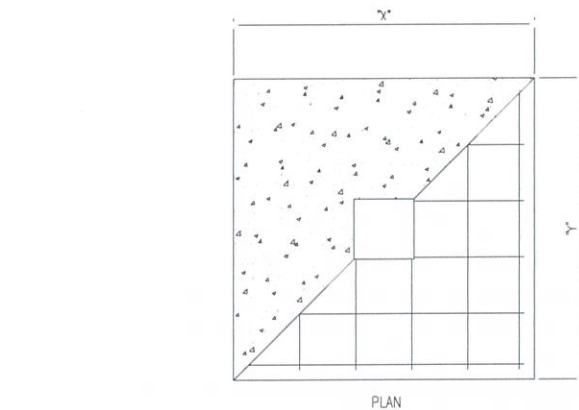
SHEET CONTENTS:

FOUNDATION PLAN

DRAWING SCALE:	SHEET NO:
AS SHOWN	S-101



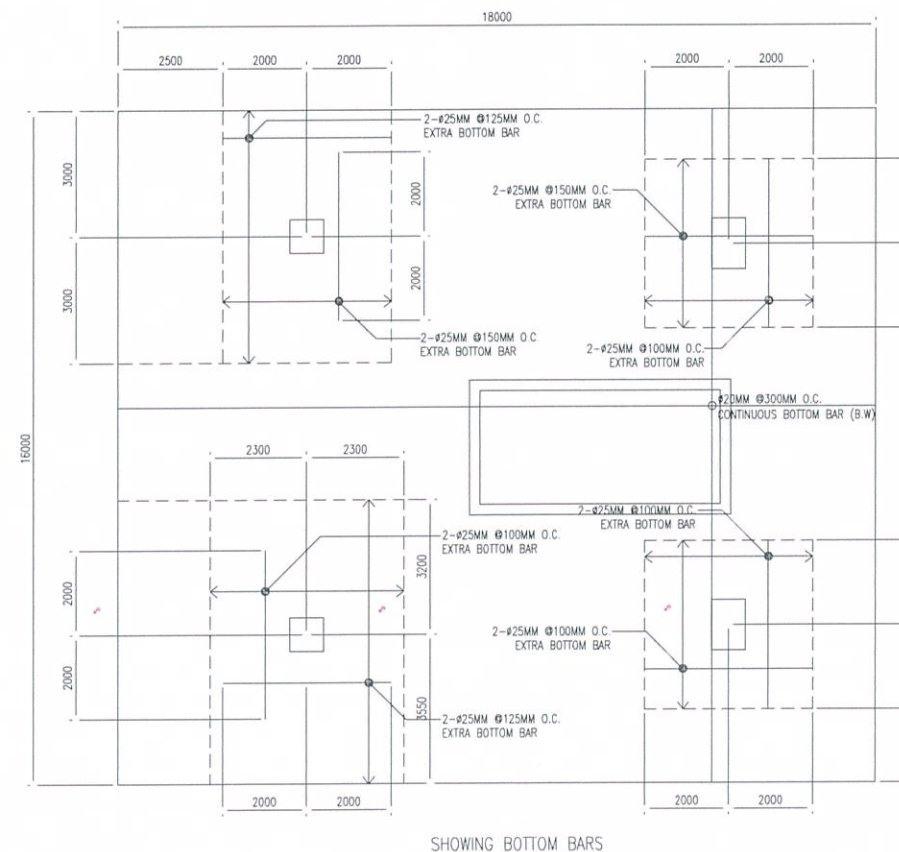
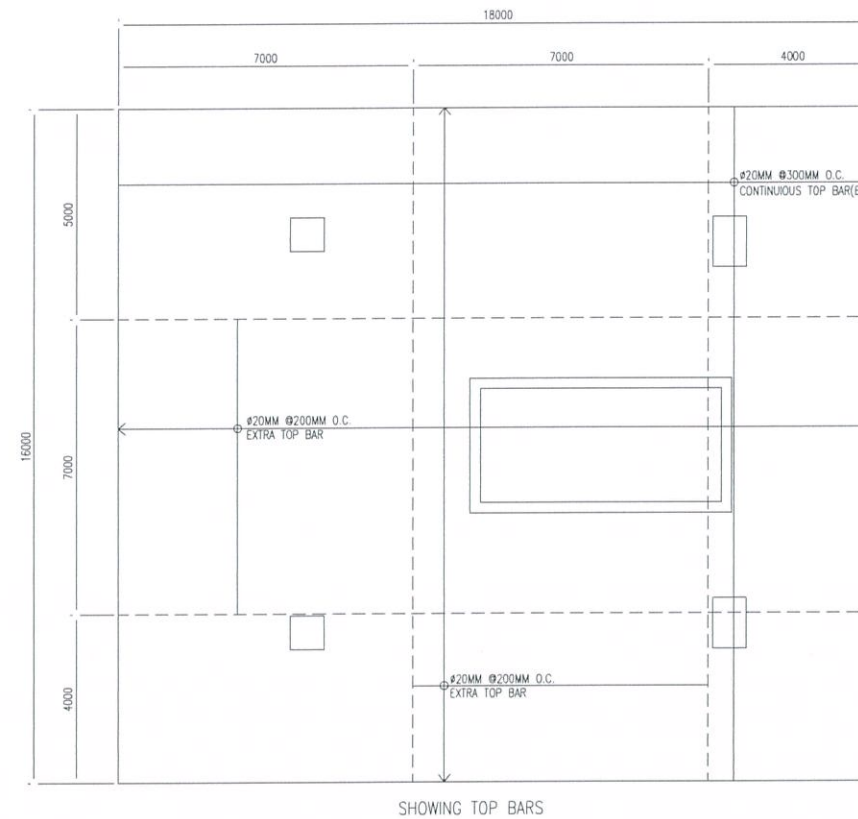
1 FOUNDATION PLAN
S-101 SCALE: 1:100MTS



1 TYPICAL FOOTING DETAIL
S-102 SCALE: NTS

MARK	DIMENSIONS			BOTTOM BARS		TOP BARS		MINIMUM EMBEDMENT, D (M)	COMPRESSIVE STRENGTH, f _c	REMARKS
	X (M)	Y (M)	Z (M)	Along - X	Along - Y	Along - X	Along - Y			
F1	5000	5000	850	#28@150MM O.C.	#28@150MM O.C.	-	-	2.5M	41.4 MPa (6000 Psi)	ISOLATED
F2	6000	6000	950	#28@200MM O.C.	#28@200MM O.C.	-	-	2.5M	41.4 MPa (6000 Psi)	ISOLATED
F3	7000	7000	1100	#28@125MM O.C.	#28@125MM O.C.	-	-	2.5M	41.4 MPa (6000 Psi)	ISOLATED
F4	8000	8000	1200	#28@150MM O.C.	#28@150MM O.C.	-	-	2.5M	41.4 MPa (6000 Psi)	ISOLATED
MF-1	18000	16000	1350	AS SHOWN	AS SHOWN	AS SHOWN	AS SHOWN	2.5M	41.4 MPa (6000 Psi)	MAT

2 FOOTING SCHEDULE
S-102 SCALE: NTS



3 MAT FOOTING (MF-1) DETAIL
S-102 SCALE: 1:100MTS

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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PROJECT:

NEW CAAP BUILDING

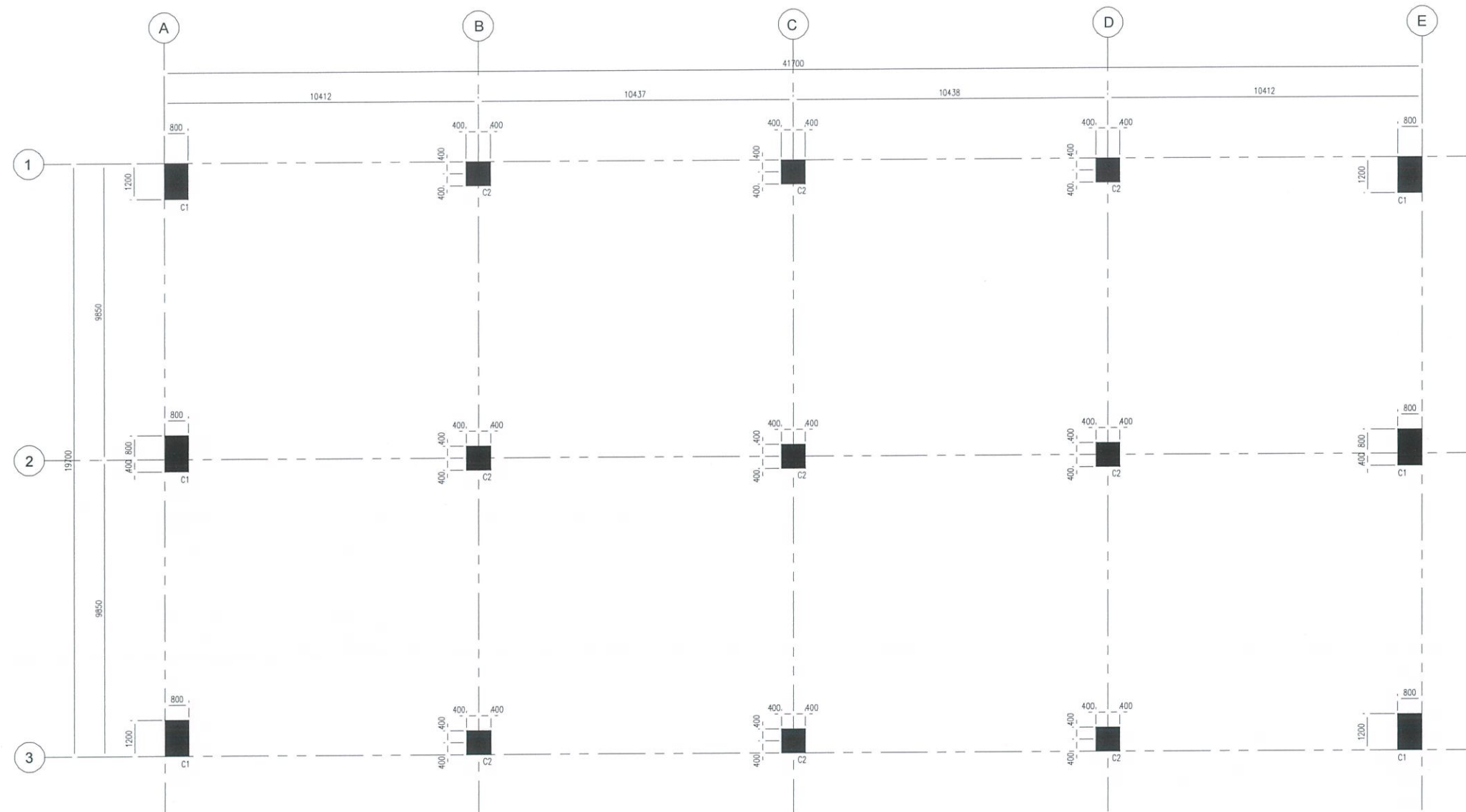
LOCATION:

**CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY**

SHEET CONTENTS:

TYPICAL FOOTING DETAIL
 FOOTING SCHEDULE
 MAT FOOTING (MF-1) DETAIL

DRAWING SCALE:	SHEET NO:
AS SHOWN	S-102



1 COLUMN LAYOUT
S-201 SCALE: 1:100MTS

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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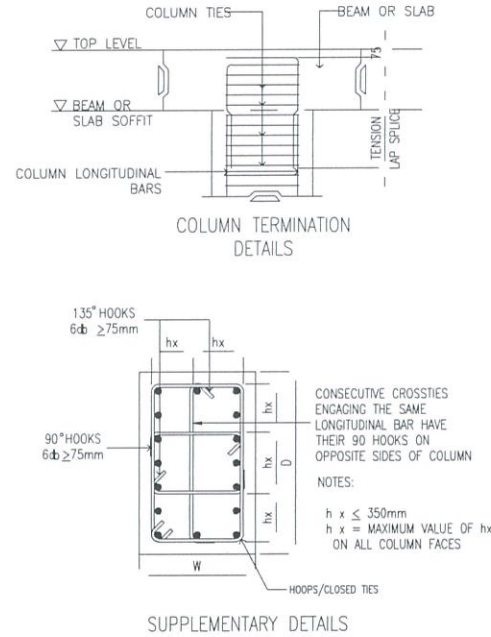
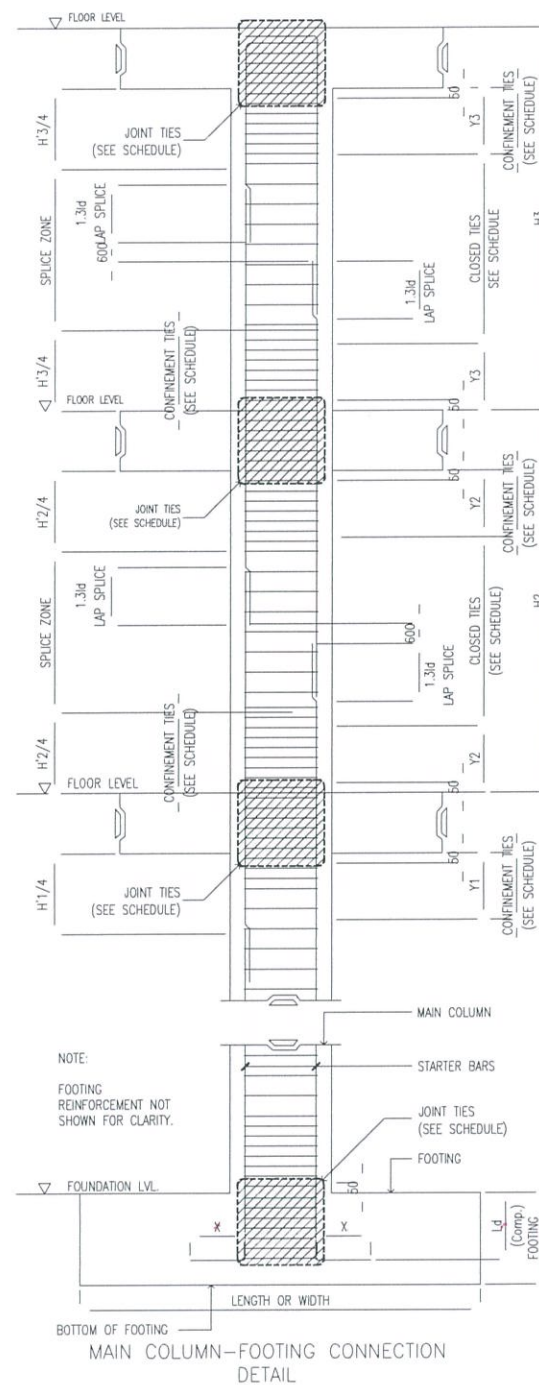
NOTES/REVISIONS:

PROJECT:
NEW CAAP BUILDING

LOCATION:
CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:
COLUMN LAYOUT

DRAWING SCALE:	SHEET NO:
AS SHOWN	S-201



	C1	C2
2ND FLOOR TO ROOF DECK LEVEL (f _c ' = 7000 P _{si})		
SIZE (WxD):	800x1200	800x800
VERTICAL BARS:	36-#20	32-#20
TIES:	Ø12@150MM	Ø12@150MM
CONF. REIN.:	Ø12@100MM	Ø12@100MM
JOINT REIN.:	Ø12@100MM	Ø12@100MM
SETS OF TIES:	7 □ ± 1	5 □ ± 1
FOUNDATION TO 2ND FLOOR LEVEL (f _c ' = 7000 P _{si})		
SIZE (WxD):	800x1200	800x800
VERTICAL BARS:	40-#25	36-#20
TIES:	Ø12@150MM	Ø12@150MM
CONF. REIN.:	Ø12@100MM	Ø12@100MM
JOINT REIN.:	Ø12@100MM	Ø12@100MM
SETS OF TIES:	7 □ ± 1	5 □ ± 1

1 TYPICAL COLUMNS DETAIL
S-202 SCALE: 1:30MTS

2 SCHEDULE OF REINFORCED CONCRETE COLUMNS
S-202 SCALE: 1:30MTS

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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

REVIEWED BY:
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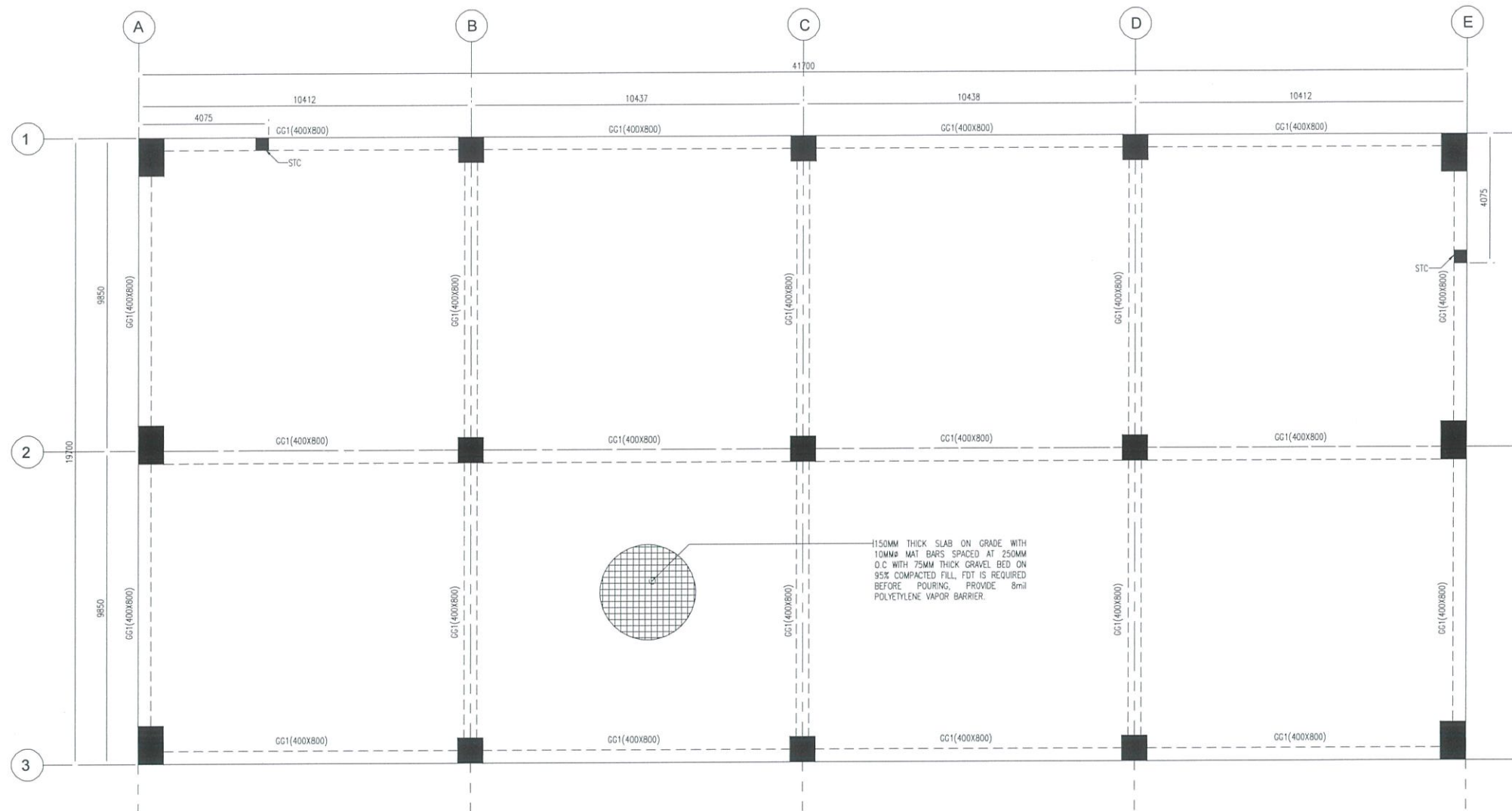
NOTES/REVISIONS:

PROJECT:
NEW CAAP BUILDING

LOCATION:
CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:
TYPICAL COLUMNS DETAIL
SCHEDULE OF COLUMNS

DRAWING SCALE: AS SHOWN
SHEET NO: S-202



1
S-301

GROUND FLOOR FRAMING PLAN

SCALE: 1:100 MTS

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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DRAWN BY:	IDDD
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NOTES/REVISIONS:

PROJECT:

NEW CAAP BUILDING

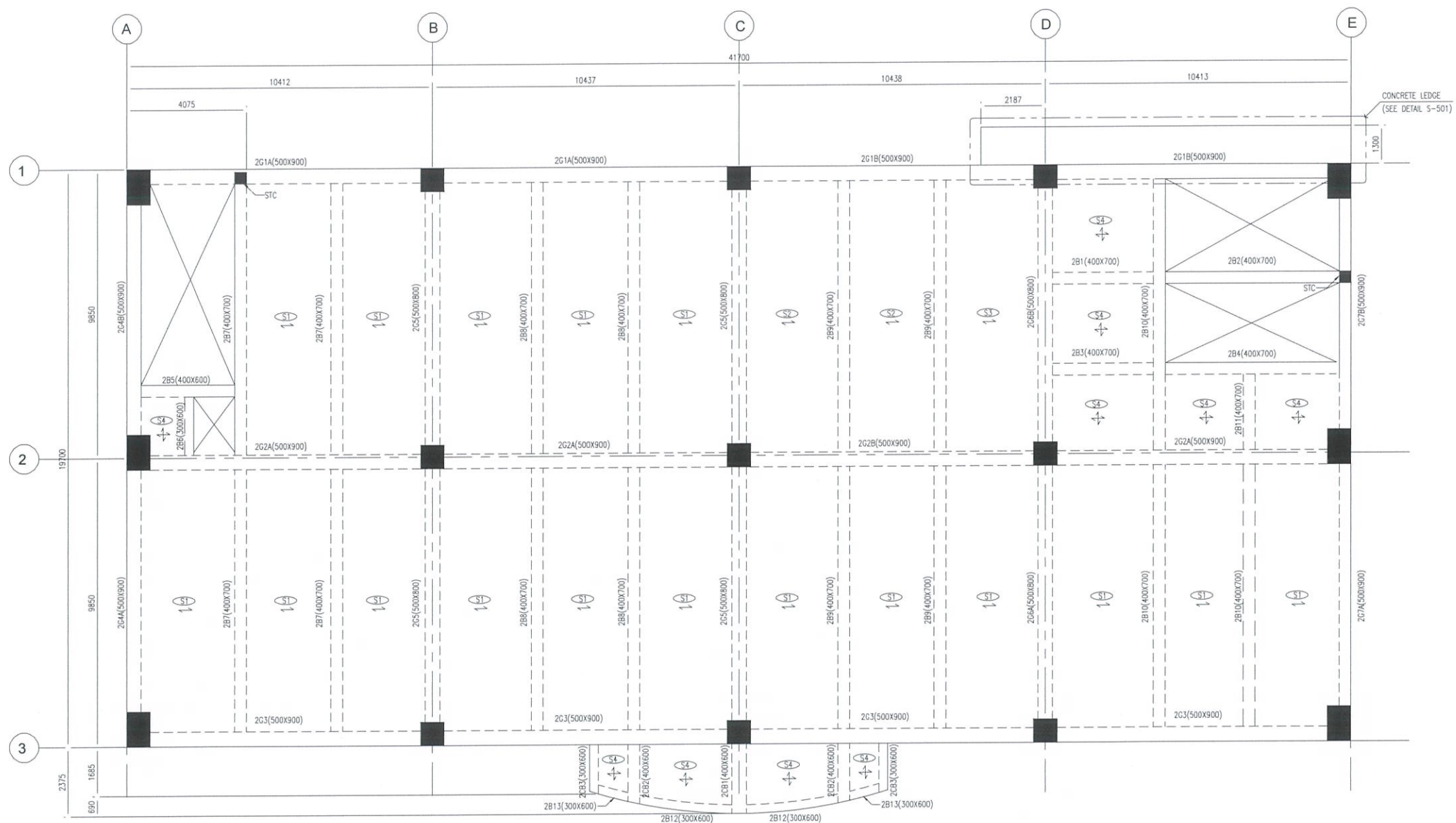
LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

GROUND FLOOR FRAMING PLAN

DRAWING SCALE:	SHEET NO:
AS SHOWN	S-301



1 SECOND FLOOR FRAMING PLAN
S-302 SCALE: 1:100MTS

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

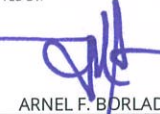
INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	IDDD
DRAWN BY:	IDDD
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NOTES/REVISIONS:

PROJECT:

NEW CAAP BUILDING

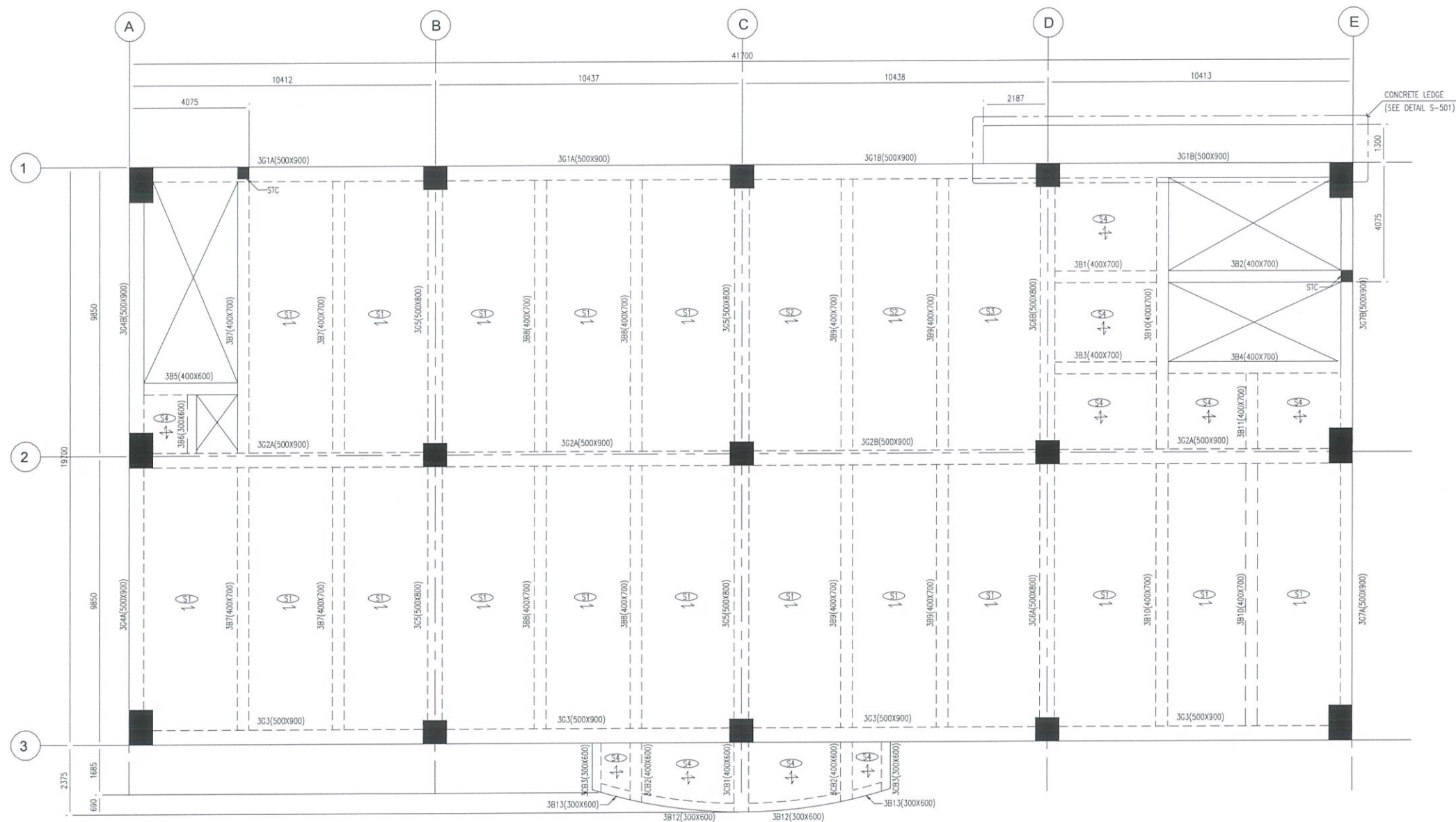
LOCATION:

**CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY**

SHEET CONTENTS:

SECOND FLOOR FRAMING PLAN

DRAWING SCALE:	SHEET NO:
AS SHOWN	S-302



1
S-303
THIRD FLOOR FRAMING PLAN
SCALE: 1:100 MTS

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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:

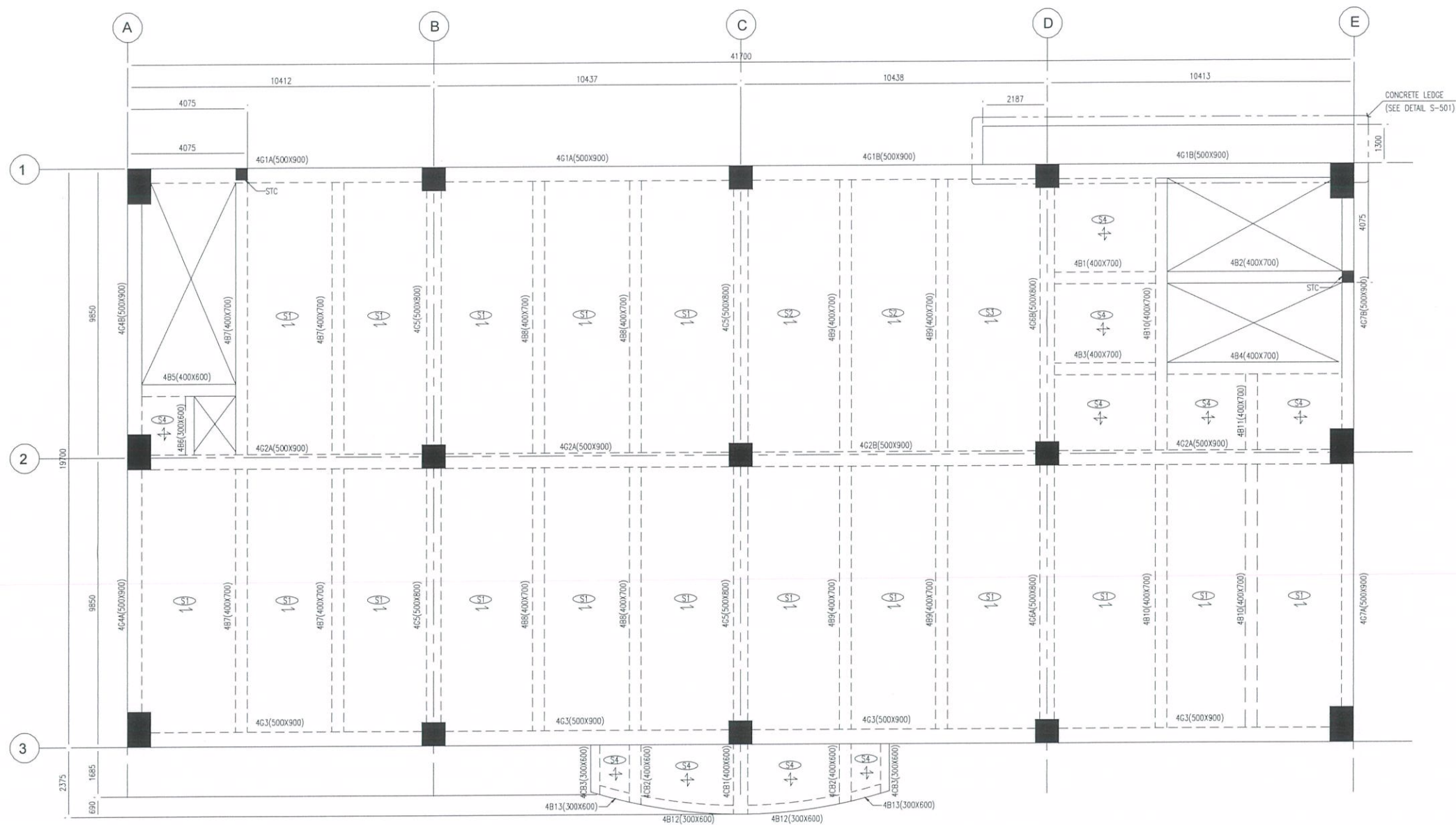
NEW CAAP BUILDING

LOCATION:

**CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY**

SHEET CONTENTS:
THIRD FLOOR FRAMING PLAN

DRAWING SCALE:	SHEET NO:
AS SHOWN	S-303



1 FOURTH FLOOR FRAMING PLAN
S-304 SCALE: 1:100MTS

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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:
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Department Manager III, AED-ADMS

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Assistant Director General II, ADMS

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CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:
NEW CAAP BUILDING

LOCATION:
CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:
FOURTH FLOOR FRAMING PLAN

DRAWING SCALE:	SHEET NO:
AS SHOWN	S-304

AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

REVIEWED BY:


RAUL R. CRUCENA
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SUBMITTED BY:



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Director General

NOTES/REVISIONS:

PROJECT:

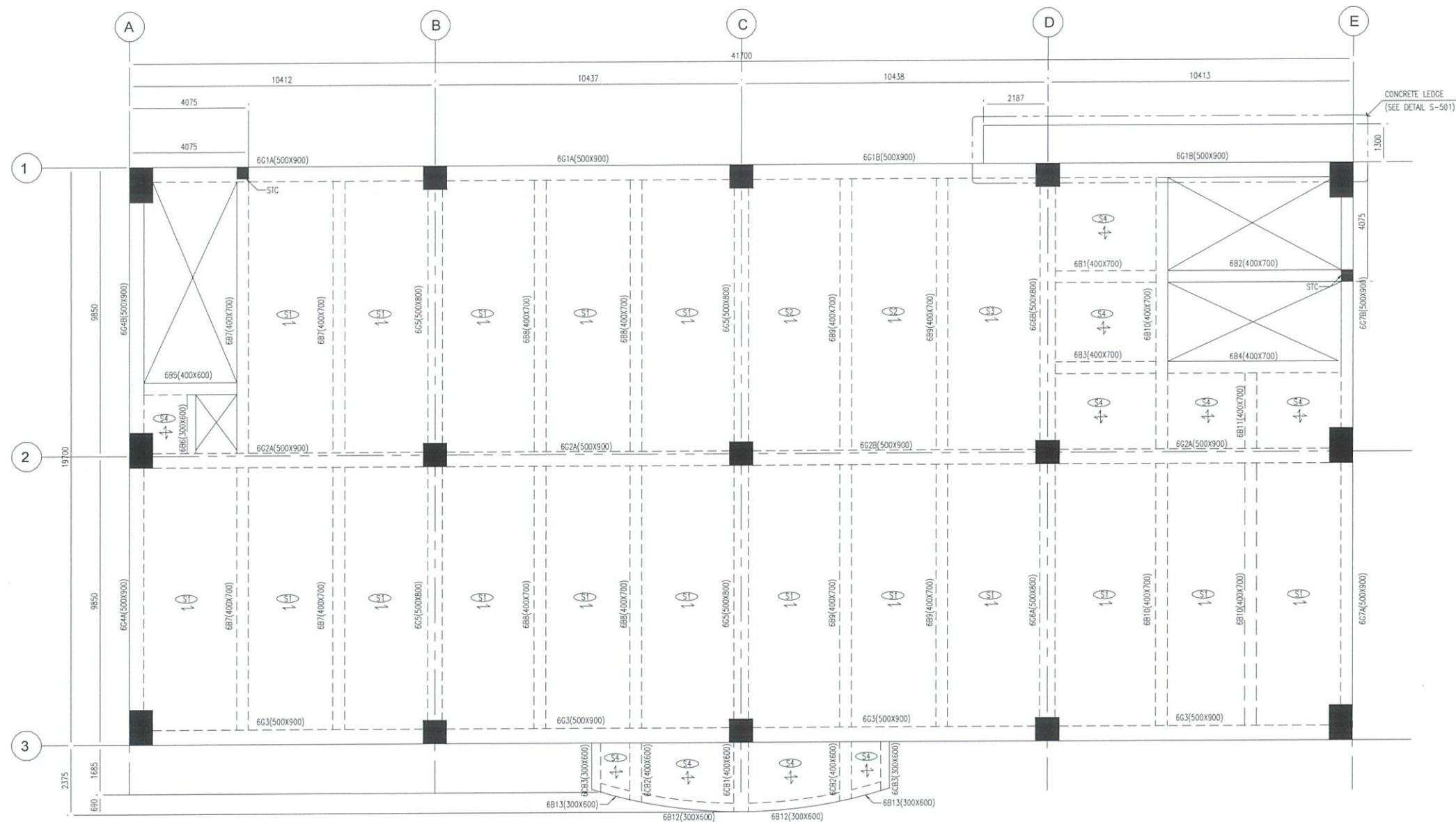
NEW CAAP BUILDING

LOCATION:
CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

FIFTH FLOOR FRAMING PLAN

DRAWING SCALE:	SHEET NO:
AS SHOWN	S-305



1 SIXTH FLOOR FRAMING PLAN
S-306 SCALE: 1:100MTS

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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

REVIEWED BY:
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SUBMITTED BY:
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Assistant Director General II, ADMS

APPROVED BY:
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Director General

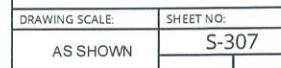
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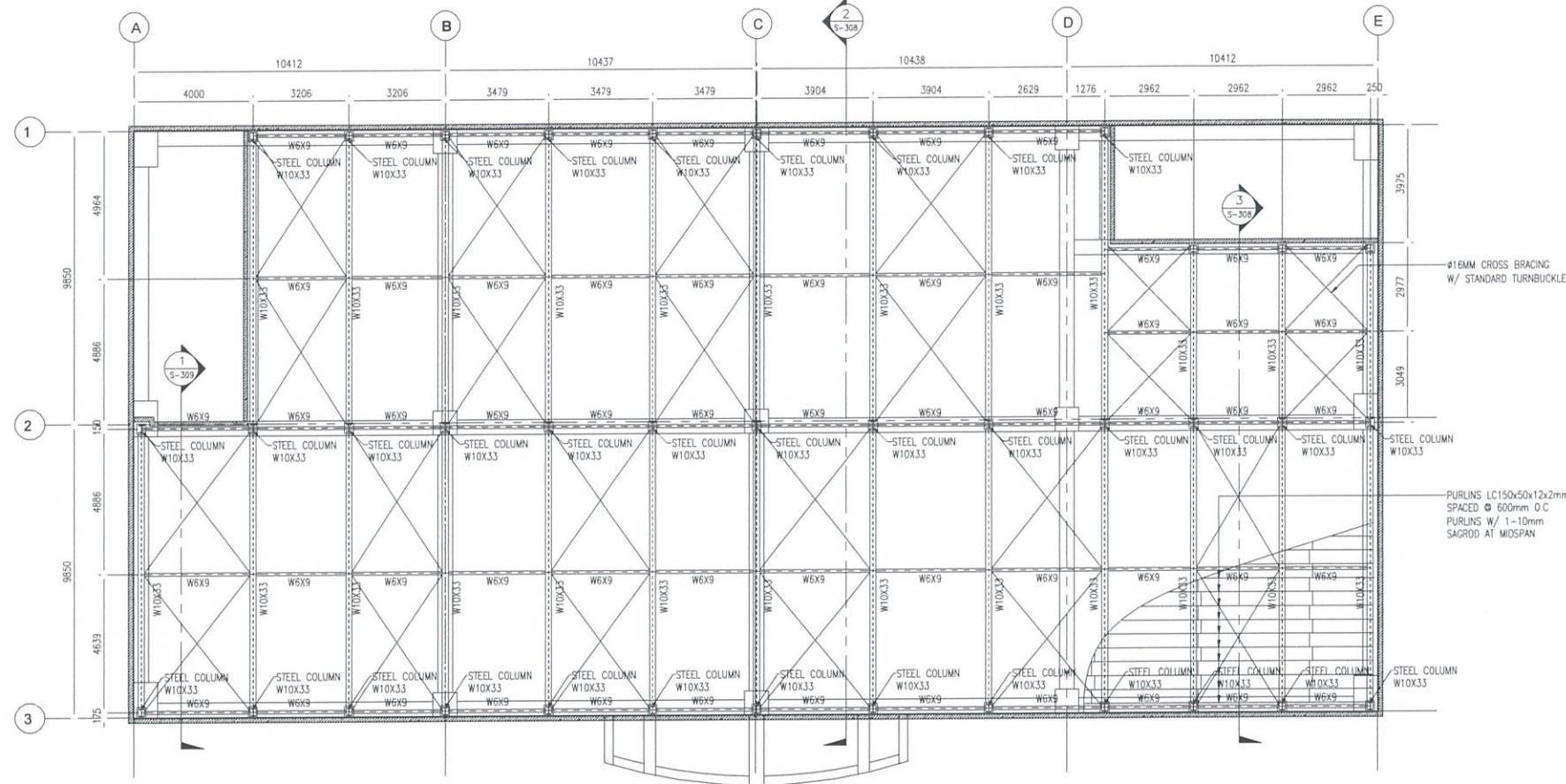
PROJECT:
NEW CAAP BUILDING

LOCATION:
CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

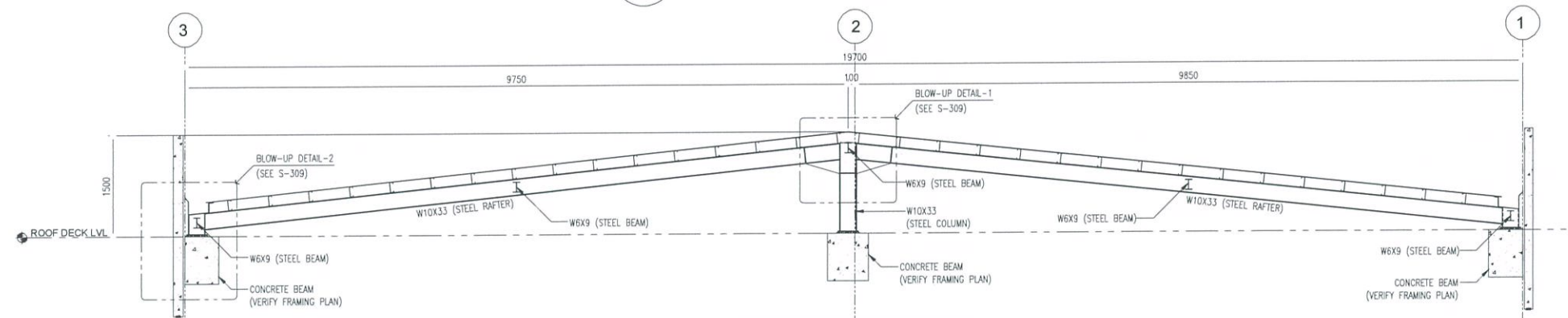
SHEET CONTENTS:
SIXTH FLOOR FRAMING PLAN

DRAWING SCALE:	SHEET NO:
AS SHOWN	S-306

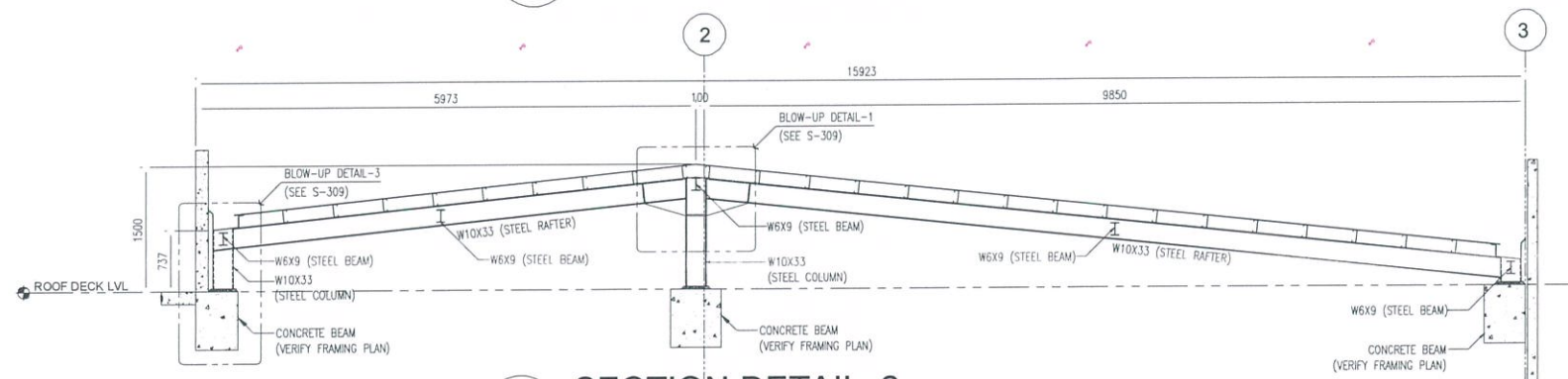




1 ROOF FRAMING PLAN
S-308 SCALE: 1:100MTS



2 SECTION DETAIL 1
S-308 SCALE: 1:50MTS



3 SECTION DETAIL 2
S-308 SCALE: 1:50MTS



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

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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

REVIEWED BY:

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Division Chief III, IDDD-AED

SUBMITTED BY:

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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 FRAMING PLAN
SECTION DETAIL

DRAWING SCALE: AS SHOWN
SHEET NO: S-308



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

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AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

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

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RAUL R. CRUCENA
Division Chief III, IDDD-AED

SUBMITTED BY:

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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:

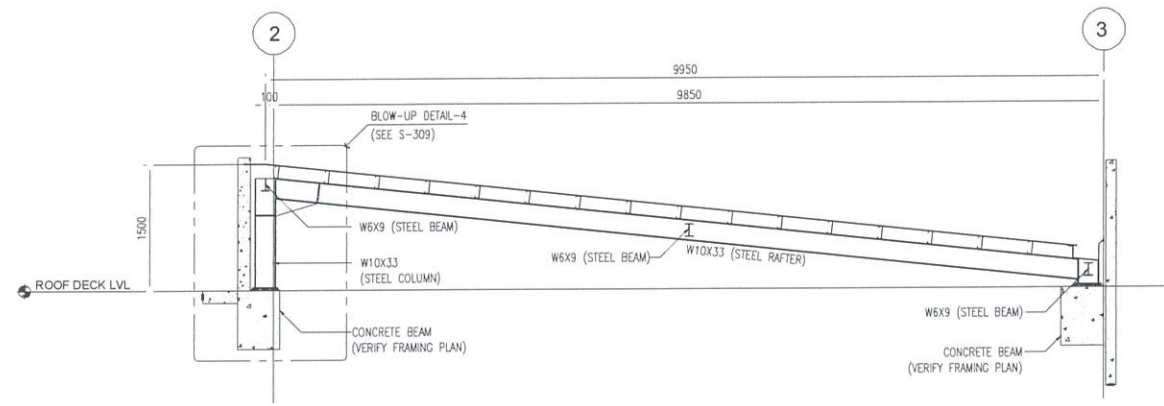
NEW CAAP BUILDING

LOCATION:

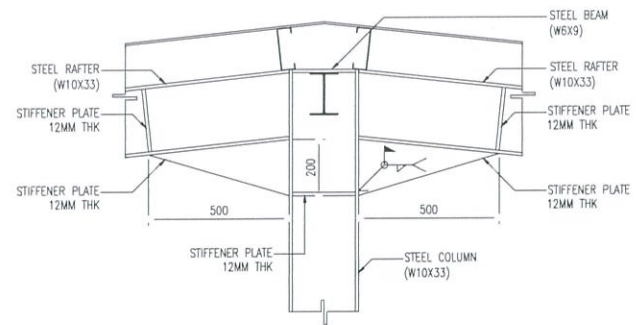
CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:
SECTION DETAIL
BLOW-UP DETAIL
STEEL SCHEDULE
BASE PLATE DETAIL
PURLINS DETAIL

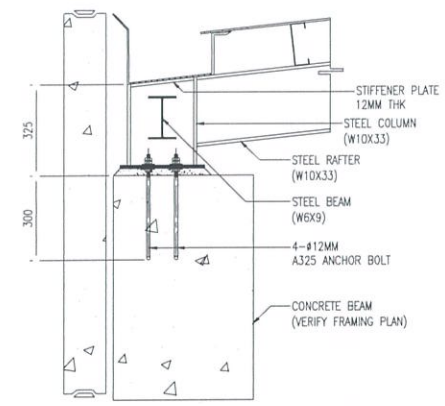
DRAWING SCALE:	SHEET NO:
AS SHOWN	S-309



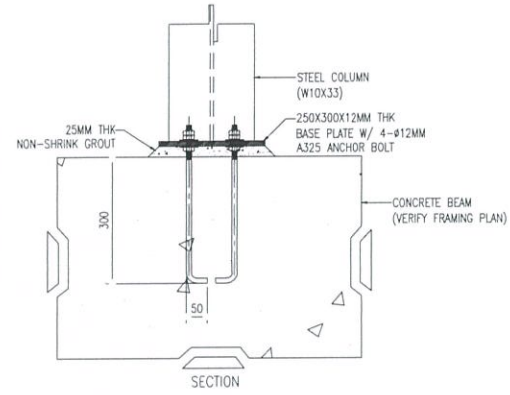
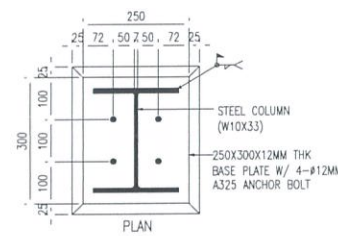
1 SECTION DETAIL
S-309 SCALE: 1:50MTS



2 BLOW-UP DETAIL 1
S-309 SCALE: 1:15MTS



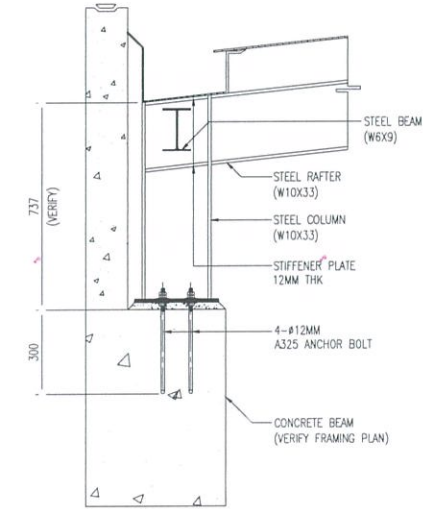
3 BLOW-UP DETAIL 2
S-309 SCALE: 1:15MTS



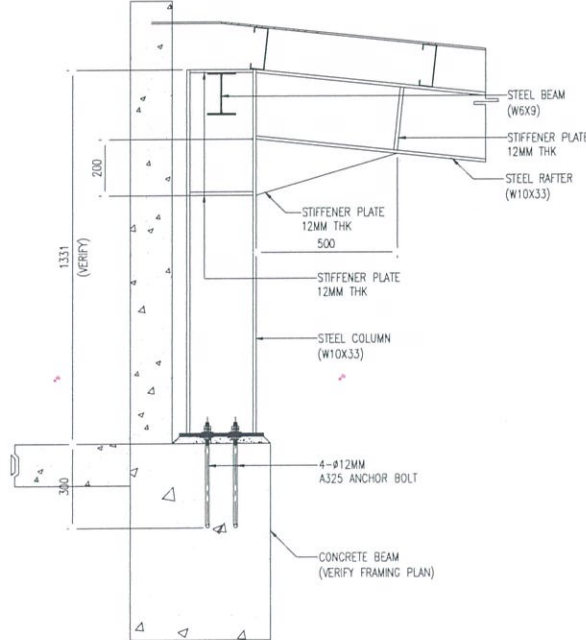
6 BASE PLATE DETAIL
S-309 SCALE: 1:10MTS

W6X9	W10X33	LC150X50X12X2MM

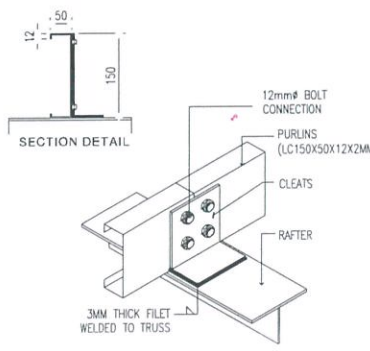
8 STEEL SCHEDULE
S-309 SCALE: 1:10MTS



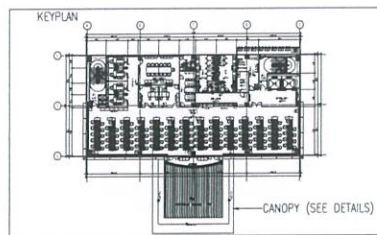
4 BLOW-UP DETAIL 3
S-309 SCALE: 1:15MTS



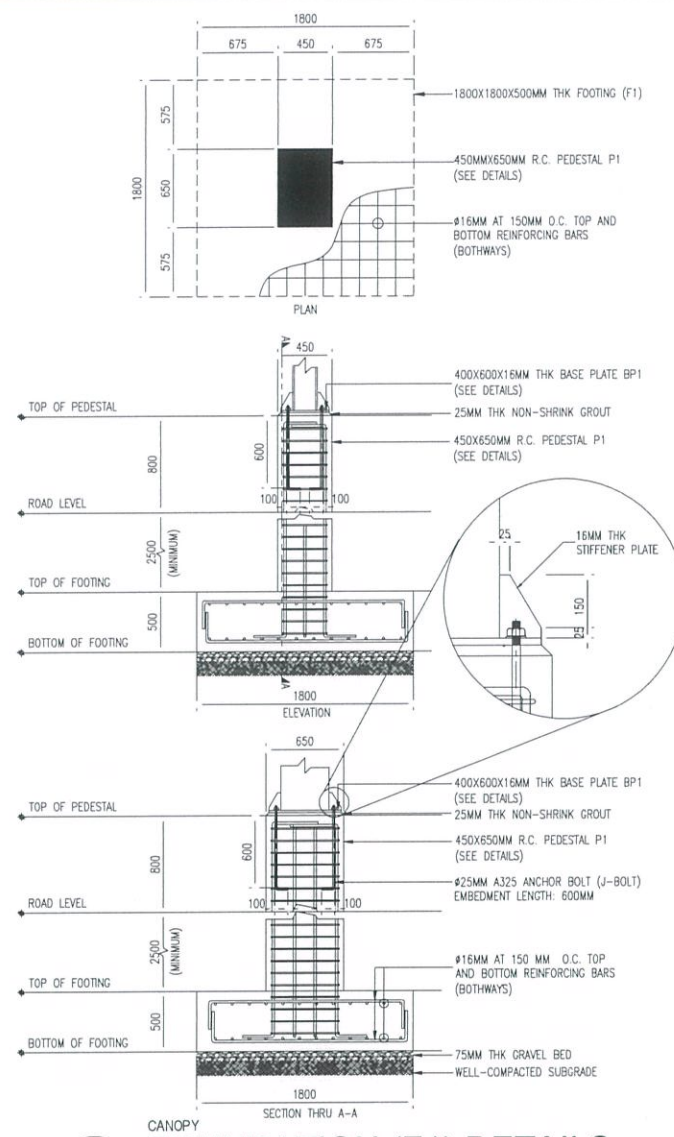
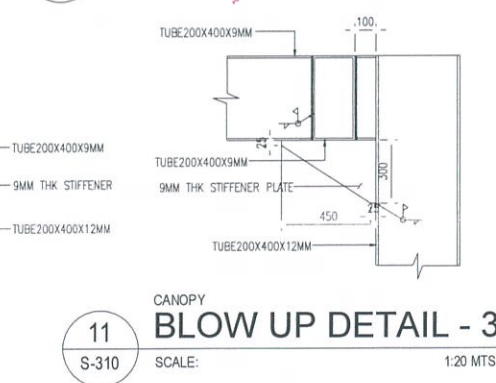
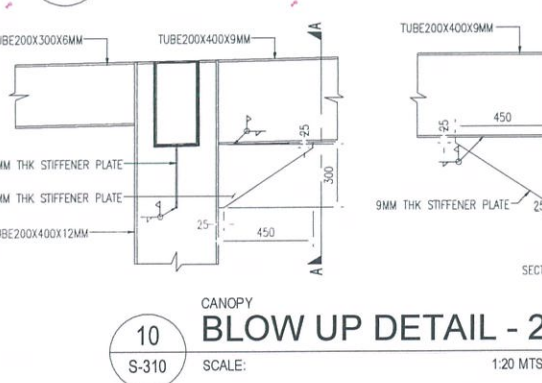
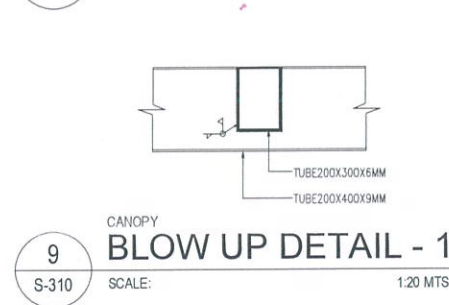
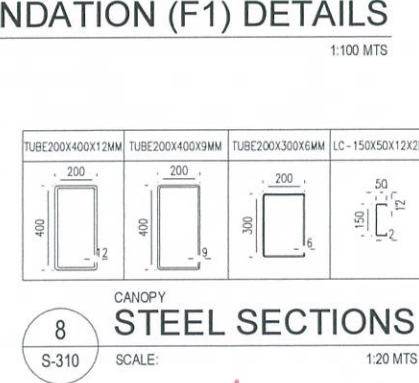
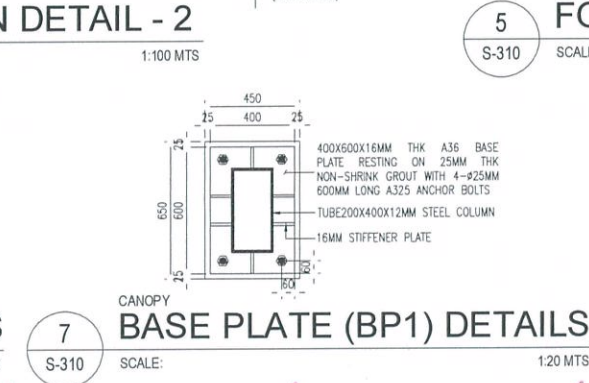
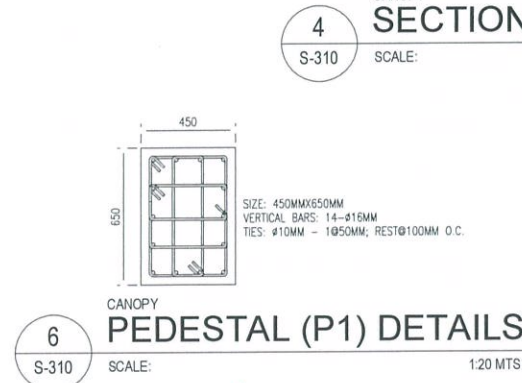
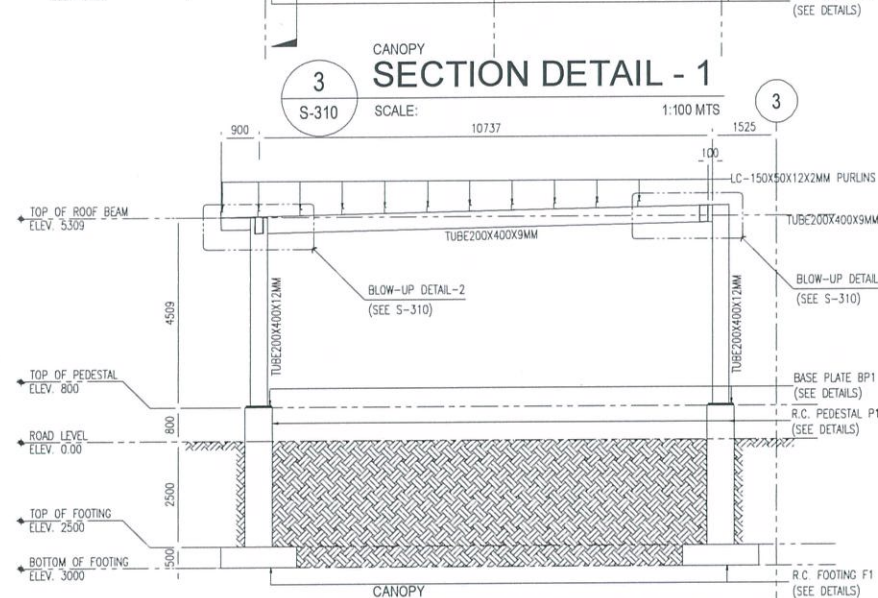
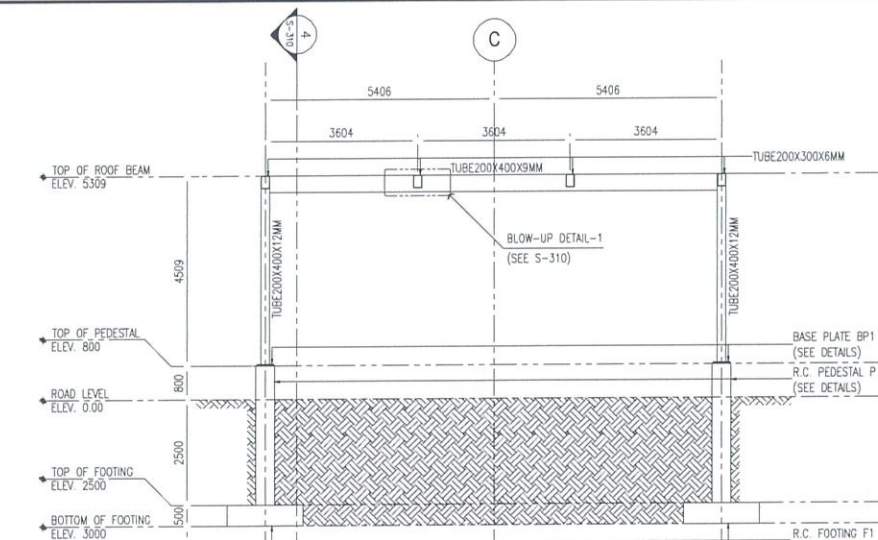
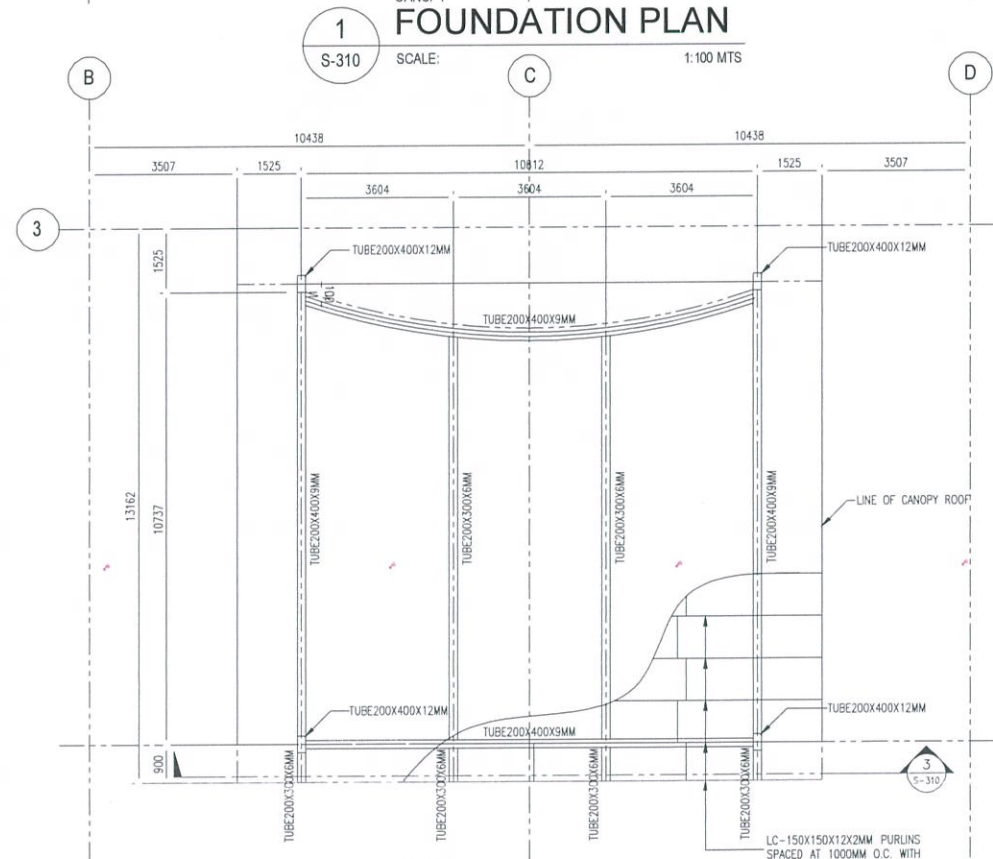
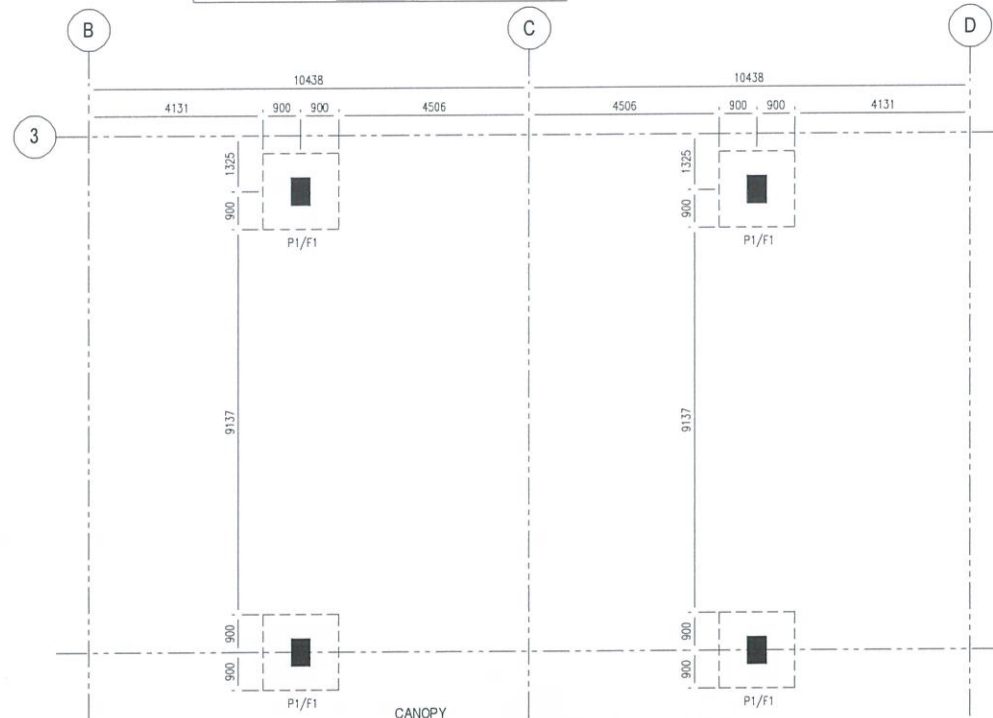
5 BLOW-UP DETAIL 4
S-309 SCALE: 1:15MTS



7 PURLINS DETAIL
S-309 SCALE: 1:10MTS



NOTES:
 CONCRETE, f_c = 6000psi (27.6MPa)
 STRUCTURAL STEEL, f_y = GRADE J6 (248MPa)



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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

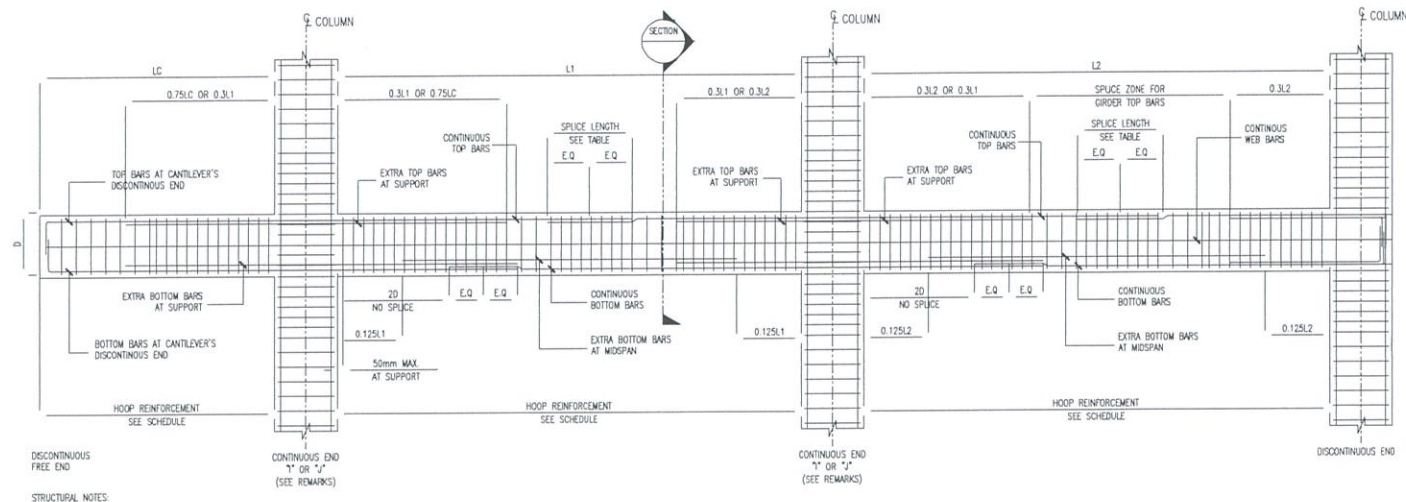
NOTES/REVISIONS:

PROJECT:
 NEW CAAP BUILDING

LOCATION:
 CAAP HEAD OFFICE
 NAIA ROAD, PASAY CITY

SHEET CONTENTS:
 CANOPY FOUNDATION PLAN
 CANOPY ROOF FRAMING PLAN
 SECTION DETAILS
 FOUNDATION DETAILS
 PEDESTAL & BASE PLATE DETAILS
 STEEL SECTION & BLOW UP DETAILS

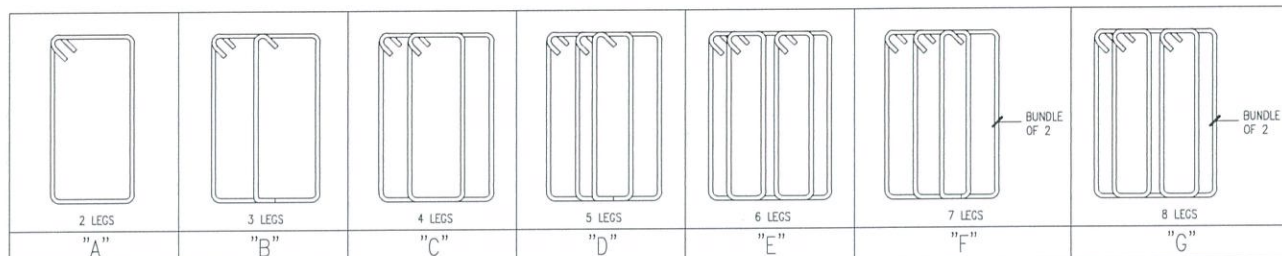
DRAWING SCALE: AS SHOWN
 SHEET NO: S-310



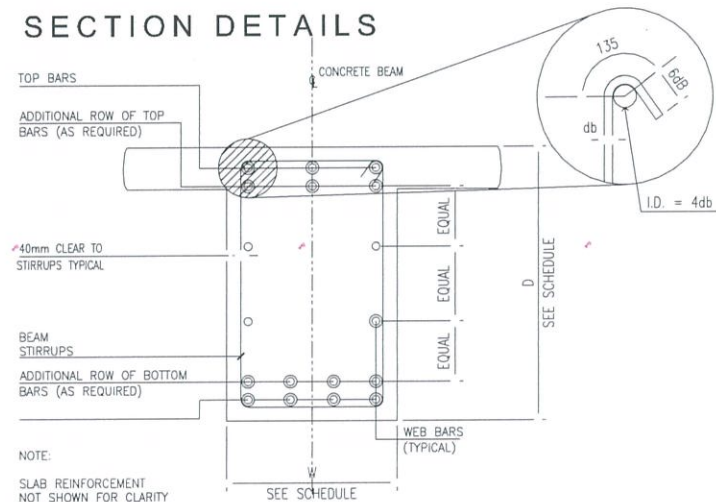
- SEE TABLE OF LAP SPICE & ANCHORAGE LENGTHS SHOWN ON SHEET.
- LAP SPICE SHALL BE LOCATED ONLY WITHIN THE LAP SPICE ZONE.
- CLOSED HOOPS WITH A 135 BEND SHALL BE SPACED AT 100 O.C. MAXIMUM AT A DISTANCE 2D FROM THE FACE OF THE SUPPORT. FIRST STIRRUP SHALL 50 FROM THE FACE OF THE SUPPORT.
- SPACING OF STIRRUPS ON LAP SPICE SHALL BE SPACED @ 100MM O.C. MAXIMUM.
- AT INTERIOR SUPPORT (CONTINUOUS END) PROVIDE LARGER SIZE AND NUMBER OF TOP AND BOTTOM BARS FROM ADJACENT SPANS.
- NO SPICE SHALL BE ALLOWED 2D FROM THE FACE OF THE SUPPORT.

1 **TYPICAL GIRDER DETAILS**
S-401 SCALE: NTS

TYPE OF STIRRUPS



SECTION DETAILS



2 **TYPICAL GIRDER SECTION DETAILS**
S-401 SCALE: NTS

BEAM LABEL	DIMENSION		LONGITUDINAL REINFORCEMENT								WEB BARS (EACH FACE)	Ø (GRADE 60)	STIRRUPS		REMARKS
	WIDTH (mm)	DEPTH (mm)	Ø	LEFT		MID		RIGHT		SPACING (mm)					
				TOP	BOT	TOP	BOT	TOP	BOT						
GROUND FLOOR GIRDER REINFORCEMENT SCHEDULE (5000 PSI)															
GG1	400	800	25	4	2	2	3	4	2	-	10	1 Ø 50 [A] , 14 Ø 125 [A], 13 Ø 200 [A], REST Ø 250 [A] O.C.			
2ND FLOOR GIRDER REINFORCEMENT SCHEDULE (5000 PSI)															
2G1A	500	900	25	8/2	5	2	4	8/2	5	4-Ø1EMM	12	1 Ø 50 [B] , 19 Ø 100 [B], 19 Ø 150 [B], REST Ø 250 [A] O.C.			
2G1B	500	900	25	8/3	6	3	5	8/3	6	5-Ø1EMM	12	1 Ø 50 [C] , 19 Ø 100 [C], 19 Ø 150 [C], REST Ø 250 [A] O.C.			
2G2A	500	900	25	8/6	7	3	6	8/6	7	2-Ø1EMM	12	1 Ø 50 [C] , 19 Ø 100 [C], 19 Ø 150 [A], REST Ø 250 [A] O.C.			
2G2B	500	900	25	8/8	8	4	7	8/8	8	2-Ø1EMM	12	1 Ø 50 [C] , 19 Ø 100 [C], 19 Ø 150 [B], REST Ø 250 [A] O.C.			
2G3	500	900	25	8/2	5	3	5	8/2	5	3-Ø1EMM	12	1 Ø 50 [B] , 19 Ø 100 [B], 19 Ø 150 [B], REST Ø 250 [A] O.C.			
2G4A	500	900	25	7	4	2	4	7	4	---	12	1 Ø 50 [A] , 19 Ø 100 [A], 19 Ø 150 [A], REST Ø 250 [A] O.C.			
2G4B	500	900	25	7	4	2	4	7	4	2-Ø1EMM	12	1 Ø 50 [A] , 19 Ø 100 [A], 19 Ø 150 [A], REST Ø 250 [A] O.C.			
2G5	500	800	25	7	4	2	3	7	4	--	12	1 Ø 50 [A] , 17 Ø 100 [A], 17 Ø 150 [A], REST Ø 250 [A] O.C.			
2G6A	500	800	25	7	4	2	3	7	4	--	12	1 Ø 50 [A] , 17 Ø 100 [A], 17 Ø 150 [A], REST Ø 250 [A] O.C.			
2G6B	500	800	25	8/4	6	3	5	8/4	6	3-Ø1EMM	12	1 Ø 50 [B] , 17 Ø 100 [B], 17 Ø 150 [C], REST Ø 250 [A] O.C.			
2G7A	500	900	25	8/2	5	3	5	8/2	5	--	12	1 Ø 50 [A] , 19 Ø 100 [A], 19 Ø 150 [A], REST Ø 250 [A] O.C.			
2G7B	500	900	25	8/2	5	3	5	8/2	5	3-Ø1EMM	12	1 Ø 50 [B] , 19 Ø 100 [B], 19 Ø 150 [C], REST Ø 250 [A] O.C.			
3RD FLOOR GIRDER REINFORCEMENT SCHEDULE (5000 PSI)															
3G1A	500	900	25	8/2	5	2	4	8/2	5	4-Ø1EMM	12	1 Ø 50 [B] , 19 Ø 100 [B], 19 Ø 150 [B], REST Ø 250 [A] O.C.			
3G1B	500	900	25	8/4	6	3	5	8/4	6	5-Ø1EMM	12	1 Ø 50 [C] , 19 Ø 100 [C], 19 Ø 150 [C], REST Ø 250 [A] O.C.			
3G2A	500	900	25	8/6	7	3	6	8/6	7	2-Ø1EMM	12	1 Ø 50 [C] , 19 Ø 100 [C], 19 Ø 150 [A], REST Ø 250 [A] O.C.			
3G2B	500	900	25	8/8	8	4	7	8/8	8	3-Ø1EMM	12	1 Ø 50 [C] , 19 Ø 100 [C], 19 Ø 150 [B], REST Ø 250 [A] O.C.			
3G3	500	900	25	8/2	5	3	5	8/2	5	3-Ø1EMM	12	1 Ø 50 [B] , 19 Ø 100 [B], 19 Ø 150 [B], REST Ø 250 [A] O.C.			
3G4A	500	900	25	7	4	2	4	7	4	---	12	1 Ø 50 [A] , 19 Ø 100 [A], 19 Ø 150 [A], REST Ø 250 [A] O.C.			
3G4B	500	900	25	7	4	2	4	7	4	3-Ø1EMM	12	1 Ø 50 [A] , 19 Ø 100 [A], 19 Ø 150 [A], REST Ø 250 [A] O.C.			
3G5	500	800	25	7	4	2	3	7	4	---	12	1 Ø 50 [A] , 17 Ø 100 [A], 17 Ø 150 [A], REST Ø 250 [A] O.C.			
3G6A	500	800	25	7	4	2	3	7	4	--	12	1 Ø 50 [A] , 17 Ø 100 [A], 17 Ø 150 [A], REST Ø 250 [A] O.C.			
3G6B	500	800	25	8/4	6	3	5	8/4	6	3-Ø1EMM	12	1 Ø 50 [C] , 17 Ø 100 [C], 17 Ø 150 [C], REST Ø 250 [A] O.C.			
3G7A	500	900	25	8/2	5	3	5	8/2	5	--	12	1 Ø 50 [B] , 19 Ø 100 [B], 19 Ø 150 [A], REST Ø 250 [A] O.C.			
3G7B	500	900	25	8/3	6	3	5	8/3	6	4-Ø1EMM	12	1 Ø 50 [B] , 19 Ø 100 [B], 19 Ø 150 [C], REST Ø 250 [A] O.C.			
4TH FLOOR GIRDER REINFORCEMENT SCHEDULE (5000 PSI)															
4G1A	500	900	25	8/2	5	2	4	8/2	5	4-Ø1EMM	12	1 Ø 50 [B] , 19 Ø 100 [B], 19 Ø 150 [B], REST Ø 250 [A] O.C.			
4G1B	500	900	25	8/3	6	3	5	8/3	6	5-Ø1EMM	12	1 Ø 50 [C] , 19 Ø 100 [C], 19 Ø 150 [C], REST Ø 250 [A] O.C.			
4G2A	500	900	25	8/5	7	3	6	8/5	7	2-Ø1EMM	12	1 Ø 50 [C] , 19 Ø 100 [C], 19 Ø 150 [A], REST Ø 250 [A] O.C.			
4G2B	500	900	25	8/7	8	4	7	8/7	8	2-Ø1EMM	12	1 Ø 50 [C] , 19 Ø 100 [C], 19 Ø 150 [B], REST Ø 250 [A] O.C.			
4G3	500	900	25	8/2	5	3	5	8/2	5	3-Ø1EMM	12	1 Ø 50 [B] , 19 Ø 100 [B], 19 Ø 150 [B], REST Ø 250 [A] O.C.			
4G4A	500	900	25	6	3	2	4	6	3	--	12	1 Ø 50 [A] , 19 Ø 100 [A], 19 Ø 150 [A], REST Ø 250 [A] O.C.			
4G4B	500	900	25	7	4	2	4	7	4	3-Ø1EMM	12	1 Ø 50 [A] , 19 Ø 100 [A], 19 Ø 150 [A], REST Ø 250 [A] O.C.			
4G5	500	800	25	7	4	2	3	7	4	---	12	1 Ø 50 [A] , 17 Ø 100 [A], 17 Ø 150 [A], REST Ø 250 [A] O.C.			
4G6A	500	800	25	7	4	2	3	7	4	--	12	1 Ø 50 [A] , 17 Ø 100 [A], 17 Ø 150 [A], REST Ø 250 [A] O.C.			
4G6B	500	800	25	8/4	6	3	5	8/4	6	3-Ø1EMM	12	1 Ø 50 [C] , 17 Ø 100 [C], 17 Ø 150 [C], REST Ø 250 [A] O.C.			
4G7A	500	900	25	8/2	5	3	5	8/2	5	--	12	1 Ø 50 [B] , 19 Ø 100 [B], 19 Ø 150 [A], REST Ø 250 [A] O.C.			
4G7B	500	900	25	8/2	5	3	5	8/2	5	4-Ø1EMM	12	1 Ø 50 [B] , 19 Ø 100 [B], 19 Ø 150 [C], REST Ø 250 [A] O.C.			
5TH FLOOR GIRDER REINFORCEMENT SCHEDULE (5000 PSI)															
5G1A	500	900	25	8	4	2	4	8	4	4-Ø1EMM	12	1 Ø 50 [B] , 19 Ø 100 [B], 19 Ø 150 [B], REST Ø 250 [A] O.C.			
5G1B	500	900	25	8/2	5	3	5	8/2	5	5-Ø1EMM	12	1 Ø 50 [C] , 19 Ø 100 [C], 19 Ø 150 [C], REST Ø 250 [A] O.C.			
5G2A	500	900	25	8/4	6	3	6	8/4	6	2-Ø1EMM	12	1 Ø 50 [B] , 19 Ø 100 [B], 19 Ø 150 [A], REST Ø 250 [A] O.C.			
5G2B	500	900	25	8/7	8	4	7	8/7	8	2-Ø1EMM	12	1 Ø 50 [C] , 19 Ø 100 [C], 19 Ø 150 [B], REST Ø 250 [A] O.C.			
5G3	500	900	25	8/2	5	2	4	8/2	5	3-Ø1EMM	12	1 Ø 50 [B] , 19 Ø 100 [B], 19 Ø 150 [B], REST Ø 250 [A] O.C.			
5G4A	500	900	25	6	3	2	4	6	3	--	12	1 Ø 50 [A] , 19 Ø 100 [A], 19 Ø 150 [A], REST Ø 250 [A] O.C.			
5G4B	500	900	25	6	4	2	4	6	4	3-Ø1EMM	12	1 Ø 50 [A] , 19 Ø 100 [A], 19 Ø 150 [B], REST Ø 250 [A] O.C.			
5G5	500	800	25	7	4	2	3	7	4	--	12	1 Ø 50 [A] , 17 Ø 100 [A], 17 Ø 150 [A], REST Ø 250 [A] O.C.			
5G6A	500	800	25	6	3	2	3	6	3	---	12	1 Ø 50 [A] , 17 Ø 100 [A], 17 Ø 150 [A], REST Ø 250 [A] O.C.			
5G6B	500	800	25	8/4	6	3	5	8/4	6	3-Ø1EMM	12	1 Ø 50 [C] , 17 Ø 100 [C], 17 Ø 150 [C], REST Ø 250 [A] O.C.			
5G7A	500	900	25	8	4	3	5	8	4	--	12	1 Ø 50 [A] , 19 Ø 100 [A], 19 Ø 150 [A], REST Ø 250 [A] O.C.			
5G7B	500	900	25	8/2	5	3	5	8/2	5	4-Ø1EMM	12	1 Ø 50 [B] , 19 Ø 100 [B], 19 Ø 150 [C], REST Ø 250 [A] O.C.			

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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:
 TYPICAL GIRDER DETAILS
 TYPICAL GIRDER SECTION DETAILS
 GIRDER SCHEDULE

DRAWING SCALE: AS SHOWN
 SHEET NO.: S-401

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AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	IDDD
DRAWN BY:	IDDD
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RAUL R. CRUCENA
Division Chief II, IDDD-AED

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ARNEL F. BORLADO
Department Manager III, AED-ADMS

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Assistant Director General II, ADMS

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CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

NEW CAAP BUILDING

LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

GIRDER SCHEDULE
BEAM SCHEDULE

DRAWING SCALE:

AS SHOWN

SHEET NO:

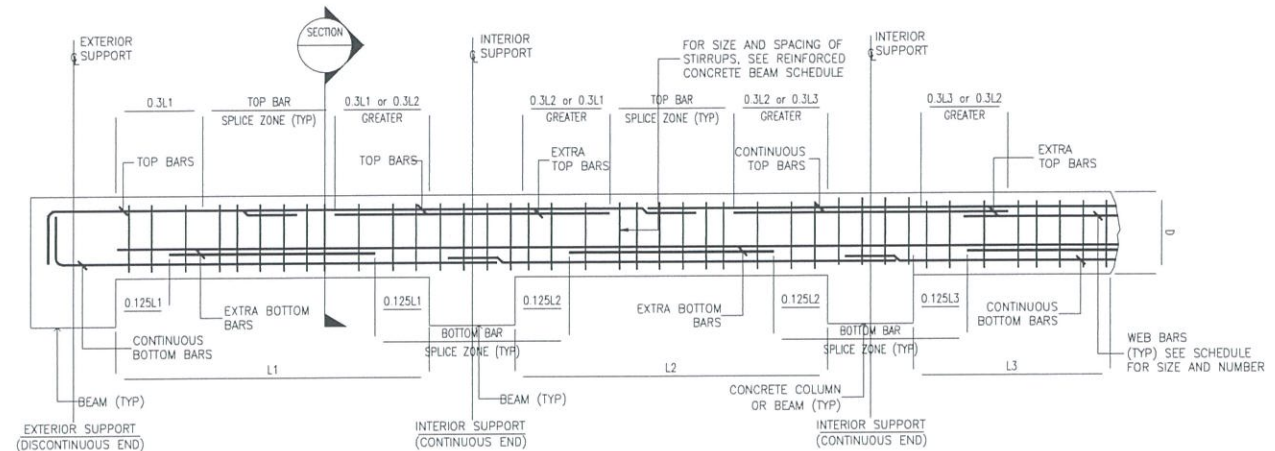
S-402

BEAM LABEL	DIMENSION		LONGITUDINAL REINFORCEMENT						WEB BARS (EACH FACE)	STIRRUPS		REMARKS	
	WIDTH (mm)	DEPTH (mm)	Ø	LEFT		MID		RIGHT		Ø (GRADE 60)	SPACING (mm)		
				TOP	BOT	TOP	BOT	TOP					BOT
6TH FLOOR GIRDER REINFORCEMENT SCHEDULE (5000 PSI)													
6G1A	500	900	25	8	4	2	4	8	4	4-Ø16MM	12	1 Ø 50 [B] , 19 Ø 100 [B], 19 Ø 150 [B], REST Ø 250 [A] O.C.	
6G1B	500	900	25	8/2	5	3	5	8/2	5	5-Ø16MM	12	1 Ø 50 [C] , 19 Ø 100 [C], 19 Ø 150 [C], REST Ø 250 [A] O.C.	
6G2A	500	900	25	8/4	6	3	6	8/4	6	3-Ø16MM	12	1 Ø 50 [B] , 19 Ø 100 [B], 19 Ø 150 [A], REST Ø 250 [A] O.C.	
6G2B	500	900	25	8/6	7	4	7	8/6	7	3-Ø16MM	12	1 Ø 50 [C] , 19 Ø 100 [C], 19 Ø 150 [B], REST Ø 250 [A] O.C.	
6G3	500	900	25	8	4	2	4	8	4	3-Ø16MM	12	1 Ø 50 [A] , 19 Ø 100 [A], 19 Ø 150 [B], REST Ø 250 [A] O.C.	
6G4A	500	900	25	5	3	2	4	5	3	--	12	1 Ø 50 [A] , 19 Ø 100 [A], 19 Ø 150 [A], REST Ø 250 [A] O.C.	
6G4B	500	900	25	6	4	2	4	6	4	2-Ø16MM	12	1 Ø 50 [A] , 19 Ø 100 [A], 19 Ø 150 [B], REST Ø 250 [A] O.C.	
6G5	500	800	25	7	4	2	3	7	4	--	12	1 Ø 50 [A] , 17 Ø 100 [A], 17 Ø 150 [A], REST Ø 250 [A] O.C.	
6G6A	500	800	25	6	3	2	3	6	3	--	12	1 Ø 50 [A] , 17 Ø 100 [A], 17 Ø 150 [A], REST Ø 250 [A] O.C.	
6G6B	500	800	25	8/4	6	3	5	8/4	6	3-Ø16MM	12	1 Ø 50 [C] , 17 Ø 100 [C], 17 Ø 150 [C], REST Ø 250 [A] O.C.	
6G7A	500	900	25	7	4	2	4	7	4	--	12	1 Ø 50 [A] , 19 Ø 100 [A], 19 Ø 150 [A], REST Ø 250 [A] O.C.	
6G7B	500	900	25	8/2	5	3	5	8/2	5	4-Ø16MM	12	1 Ø 50 [B] , 19 Ø 100 [B], 19 Ø 150 [C], REST Ø 250 [A] O.C.	
ROOF DECK GIRDER REINFORCEMENT SCHEDULE (5000 PSI)													
RG1A	500	800	25	6	3	2	4	6	3	4-Ø16MM	12	1 Ø 50 [B] , 17 Ø 100 [B], 17 Ø 150 [B], REST Ø 250 [A] O.C.	
RG1B	500	800	25	3	2	2	3	3	2	--	12	1 Ø 50 [A] , 17 Ø 100 [A], 17 Ø 150 [A], REST Ø 250 [A] O.C.	
RG2A	500	800	25	6	3	2	4	6	3	3-Ø16MM	12	1 Ø 50 [A] , 17 Ø 100 [A], 17 Ø 150 [B], REST Ø 250 [B] O.C.	
RG2B	500	800	25	3	2	2	3	3	2	--	12	1 Ø 50 [A] , 17 Ø 100 [A], 17 Ø 150 [A], REST Ø 250 [A] O.C.	
RG3	500	800	25	5	3	2	3	5	3	2-Ø16MM	12	1 Ø 50 [A] , 17 Ø 100 [A], 17 Ø 150 [A], REST Ø 250 [A] O.C.	
RG4	500	800	25	4	2	2	3	4	2	--	12	1 Ø 50 [A] , 17 Ø 100 [A], 17 Ø 150 [A], REST Ø 250 [A] O.C.	
RG5	500	800	25	5	3	2	3	5	3	--	12	1 Ø 50 [A] , 17 Ø 100 [A], 17 Ø 150 [A], REST Ø 250 [A] O.C.	
RG6	500	800	25	3	2	2	3	3	2	--	12	1 Ø 50 [A] , 17 Ø 100 [A], 17 Ø 150 [A], REST Ø 250 [A] O.C.	
RG7	500	800	25	3	2	2	3	3	2	--	12	1 Ø 50 [A] , 17 Ø 100 [A], 17 Ø 150 [A], REST Ø 250 [A] O.C.	
RG8	500	800	25	6	3	2	4	6	3	5-Ø16MM	12	1 Ø 50 [C] , 17 Ø 100 [C], 17 Ø 150 [C], REST Ø 250 [A] O.C.	
RG9	600	800	25	5	3	2	4	5	3	--	12	1 Ø 50 [A] , 17 Ø 100 [A], 17 Ø 150 [A], REST Ø 250 [A] O.C.	
RG10	600	800	25	10	5	4	7	10	5	6-Ø16MM	12	1 Ø 50 [D] , 17 Ø 100 [D], 17 Ø 150 [D], REST Ø 250 [A] O.C.	

BEAM LABEL	DIMENSION		LONGITUDINAL REINFORCEMENT							WEB BARS (EACH FACE)	Ø (GRADE 60)	STIRRUPS		REMARKS
	WIDTH (mm)	DEPTH (mm)	Ø	LEFT		MID		RIGHT				Ø	SPACING (mm)	
				TOP	BOT	TOP	BOT	TOP	BOT					
2ND FLOOR INTERMEDIATE BEAM SCHEDULE (5000 PSI)														
2B1	400	700	16	5	3	3	5	5	3	--	12	1 Ø 50 [A] , 10 Ø 150 [A], REST Ø 200 [A] O.C.		
2B2	400	700	16	5	3	6	7/5	5	3	--	12	1 Ø 50 [A] , 10 Ø 150 [A], REST Ø 200 [A] O.C.		
2B3	400	700	16	5	3	3	5	5	3	--	12	1 Ø 50 [A] , 10 Ø 150 [A], REST Ø 200 [A] O.C.		
2B4	400	700	16	5	3	3	5	5	3	--	12	1 Ø 50 [A] , 10 Ø 150 [A], REST Ø 200 [A] O.C.		
2B5	400	600	16	6	3	2	4	6	3	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.		
2B6	300	600	16	3	2	2	3	3	2	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.		
2B7	400	700	20	7	4	3	6	7	4	--	12	1 Ø 50 [A] , 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.		
2B8	400	700	20	7/2	5	5	7/2	7/2	5	--	12	1 Ø 50 [A] , 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.		
2B9	400	700	20	7/3	5	7	7/6	7/3	5	--	12	1 Ø 50 [A] , 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.		
2B10	400	700	20	7	4	5	7/2	7	4	--	12	1 Ø 50 [A] , 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.		
2B11	400	700	20	6	3	3	5	6	3	--	12	1 Ø 50 [A] , 10 Ø 150 [A], REST Ø 200 [A] O.C.		
2B12	300	600	16	3	2	2	3	3	2	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.		
2B13	300	600	16	3	2	2	3	3	2	--	12	1 Ø 50 [A] , REST Ø 150 [A] O.C.		
3RD FLOOR INTERMEDIATE BEAM SCHEDULE (5000 PSI)														
3B1	400	700	16	5	3	3	5	5	3	--	12	1 Ø 50 [A] , 10 Ø 150 [A], REST Ø 200 [A] O.C.		
3B2	400	700	16	5	3	6	7/5	5	3	--	12	1 Ø 50 [A] , 10 Ø 150 [A], REST Ø 200 [A] O.C.		
3B3	400	700	16	5	3	3	5	5	3	--	12	1 Ø 50 [A] , 10 Ø 150 [A], REST Ø 200 [A] O.C.		
3B4	400	700	16	5	3	3	5	5	3	--	12	1 Ø 50 [A] , 10 Ø 150 [A], REST Ø 200 [A] O.C.		
3B5	400	600	16	6	3	2	4	6	3	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.		
3B6	300	600	16	3	2	2	3	3	2	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.		
3B7	400	700	20	7	4	3	6	7	4	--	12	1 Ø 50 [A] , 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.		
3B8	400	700	20	7/2	5	5	7/2	7/2	5	--	12	1 Ø 50 [A] , 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.		
3B9	400	700	20	7/3	5	7	7/6	7/3	5	--	12	1 Ø 50 [A] , 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.		
3B10	400	700	20	7	4	5	7/2	7	4	--	12	1 Ø 50 [A] , 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.		
3B11	400	700	20	6	3	3	5	6	3	--	12	1 Ø 50 [A] , 10 Ø 150 [A], REST Ø 200 [A] O.C.		
3B12	300	600	16	3	2	2	3	3	2	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.		
3B13	300	600	16	3	2	2	3	3	2	--	12	1 Ø 50 [A] , REST Ø 150 [A] O.C.		
4TH FLOOR INTERMEDIATE BEAM SCHEDULE (5000 PSI)														
4B1	400	700	16	5	3	3	5	5	3	--	12	1 Ø 50 [A] , 10 Ø 150 [A], REST Ø 200 [A] O.C.		
4B2	400	700	16	5	3	6	7/5	5	3	--	12	1 Ø 50 [A] , 10 Ø 150 [A], REST Ø 200 [A] O.C.		
4B3	400	700	16	5	3	3	5	5	3	--	12	1 Ø 50 [A] , 10 Ø 150 [A], REST Ø 200 [A] O.C.		
4B4	400	700	16	5	3	3	5	5	3	--	12	1 Ø 50 [A] , 10 Ø 150 [A], REST Ø 200 [A] O.C.		
4B5	400	600	16	6	3	2	4	6	3	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.		
4B6	300	600	16	3	2	2	3	3	2	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.		
4B7	400	700	20	7	4	3	6	7	4	--	12	1 Ø 50 [A] , 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.		
4B8	400	700	20	7/2	5	5	7/2	7/2	5	--	12	1 Ø 50 [A] , 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.		
4B9	400	700	20	7/3	5	6	7/5	7/3	5	--	12	1 Ø 50 [A] , 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.		
4B10	400	700	20	7	4	4	7	7	4	--	12	1 Ø 50 [A] , 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.		
4B11	400	700	20	6	3	3	5	6	3	--	12	1 Ø 50 [A] , 10 Ø 150 [A], REST Ø 200 [A] O.C.		
4B12	300	600	16	3	2	2	3	3	2	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.		
4B13	300	600	16	3	2	2	3	3	2	--	12	1 Ø 50 [A] , REST Ø 150 [A] O.C.		
5TH FLOOR INTERMEDIATE BEAM SCHEDULE (5000 PSI)														
5B1	400	700	16	5	3	3	6	5	3	--	12	1 Ø 50 [A] , 10 Ø 150 [A], REST Ø 200 [A] O.C.		
5B2	400	700	16	5	3	6	7/5	5	3	--	12	1 Ø 50 [A] , 10 Ø 150 [A], REST Ø 200 [A] O.C.		
5B3	400	700	16	5	3	3	5	5	3	--	12	1 Ø 50 [A] , 10 Ø 150 [A], REST Ø 200 [A] O.C.		
5B4	400	700	16	5	3	3	5	5	3	--	12	1 Ø 50 [A] , 10 Ø 150 [A], REST Ø 200 [A] O.C.		
5B5	400	600	16	6	3	2	4	6	3	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.		
5B6	300	600	16	3	2	2	3	3	2	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.		
5B7	400	700	20	7	4	3	6	7	4	--	12	1 Ø 50 [A] , 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.		
5B8	400	700	20	7/2	5	5	7/2	7/2	5	--	12	1 Ø 50 [A] , 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.		
5B9	400	700	20	7/3	5	7	7/6	7/3	5	--	12	1 Ø 50 [A] , 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.		
5B10	400	700	20	7	4	5	7/2	7	4	--	12	1 Ø 50 [A] , 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.		
5B11	400	700	20	6	3	3	5	6	3	--	12	1 Ø 50 [A] , 10 Ø 150 [A], REST Ø 200 [A] O.C.		
5B12	300	600	16	3	2	2	3	3	2	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.		
5B13	300	600	16	3	2	2	3	3	2	--	12	1 Ø 50 [A] , REST Ø 150 [A] O.C.		

BEAM LABEL	DIMENSION		LONGITUDINAL REINFORCEMENT								WEB BARS (EACH FACE)	STIRRUPS			REMARKS
	WIDTH (mm)	DEPTH (mm)	Ø	LEFT		MID		RIGHT		Ø (GRADE 60)		SPACING (mm)			
				TOP	BOT	TOP	BOT	TOP	BOT						
6TH FLOOR INTERMEDIATE BEAM SCHEDULE (5000 PSI)															
6B1	400	700	16	5	3	3	6	5	3	--	12	1 Ø 50 [A], 10 Ø 150 [A], REST Ø 200 [A] O.C.			
6B2	400	700	16	5	3	6	7/5	5	3	--	12	1 Ø 50 [A], 10 Ø 150 [A], REST Ø 200 [A] O.C.			
6B3	400	700	16	5	3	3	5	5	3	--	12	1 Ø 50 [A], 10 Ø 150 [A], REST Ø 200 [A] O.C.			
6B4	400	700	16	5	3	3	5	5	3	--	12	1 Ø 50 [A], 10 Ø 150 [A], REST Ø 200 [A] O.C.			
6B5	400	600	16	6	3	2	4	6	3	--	12	1 Ø 50 [A], 9 Ø 150 [A], REST Ø 200 [A] O.C.			
6B6	300	600	16	3	2	2	3	3	2	--	12	1 Ø 50 [A], 9 Ø 150 [A], REST Ø 200 [A] O.C.			
6B7	400	700	20	7	4	3	6	7	4	--	12	1 Ø 50 [A], 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.			
6B8	400	700	20	7/2	5	5	7/2	7/2	5	--	12	1 Ø 50 [A], 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.			
6B9	400	700	20	7/3	5	7	7/6	7/3	5	--	12	1 Ø 50 [A], 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.			
6B10	400	700	20	7	4	5	7/2	7	4	--	12	1 Ø 50 [A], 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.			
6B11	400	700	20	6	3	3	5	6	3	--	12	1 Ø 50 [A], 10 Ø 150 [A], REST Ø 200 [A] O.C.			
6B12	300	600	16	3	2	2	3	3	2	--	12	1 Ø 50 [A], 9 Ø 150 [A], REST Ø 200 [A] O.C.			
6B13	300	600	16	3	2	2	3	3	2	--	12	1 Ø 50 [A], REST Ø 150 [A] O.C.			
ROOF DECK INTERMEDIATE BEAM SCHEDULE (5000 PSI)															
RB1	500	700	20	4	2	2	4	4	2	--	12	1 Ø 50 [A], 10 Ø 150 [A], 12 Ø 200 [A] REST Ø 250 [A] O.C.			
RB2	500	700	20	4	2	2	4	4	2	--	12	1 Ø 50 [A], 10 Ø 150 [A], REST Ø 200 [A] O.C.			
RB3	400	700	20	3	2	2	3	3	2	--	12	1 Ø 50 [A], 10 Ø 150 [A], REST Ø 200 [A] O.C.			
RB4	500	700	20	4	2	4	8	4	2	--	12	1 Ø 50 [A], 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.			
RB5	400	700	20	3	2	2	4	3	2	--	12	1 Ø 50 [A], 10 Ø 150 [A], 12 Ø 200 [A], REST Ø 250 [A] O.C.			
RB6	300	600	16	3	2	2	3	3	2	--	12	1 Ø 50 [A], 9 Ø 150 [A], REST Ø 200 [A] O.C.			
RB7	300	600	16	3	2	2	3	3	2	--	12	1 Ø 50 [A], REST Ø 150 [A] O.C.			

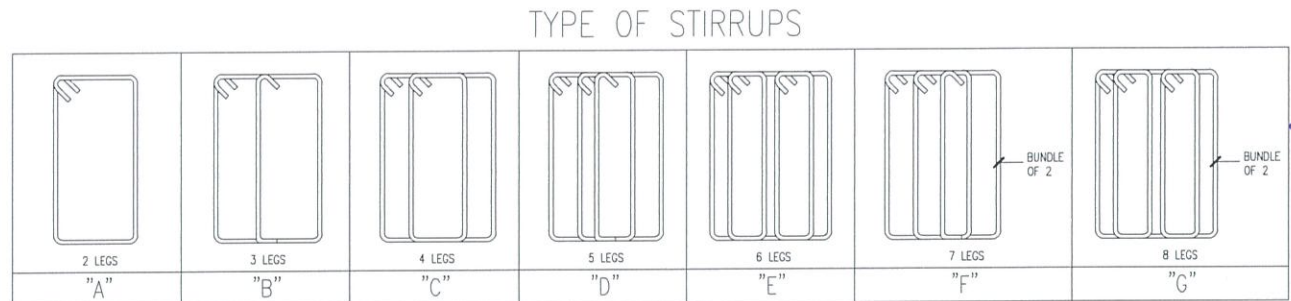
BEAM LABEL	DIMENSION		Ø	LONGITUDINAL REINFORCEMENT						WEB BARS (EACH FACE)	STIRRUPS		REMARKS
	WIDTH (mm)	DEPTH (mm)		LEFT		MID		RIGHT			Ø (GRADE 60)	SPACING (mm)	
				TOP	BOT	TOP	BOT	TOP	BOT				
2ND FLOOR CANTILEVER BEAM SCHEDULE (5000 PSI)													
2CB1	400	600	20	6	3	6	3	6	3	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.	
2CB2	400	600	16	6	3	6	3	6	3	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.	
2CB3	300	600	16	3	2	3	2	3	2	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.	
3RD FLOOR CANTILEVER BEAM SCHEDULE (5000 PSI)													
3CB1	400	600	20	6	3	6	3	6	3	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.	
3CB2	400	600	16	6	3	6	3	6	3	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.	
3CB3	300	600	16	3	2	3	2	3	2	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.	
4TH FLOOR CANTILEVER BEAM SCHEDULE (5000 PSI)													
4CB1	400	600	20	6	3	6	3	6	3	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.	
4CB2	400	600	16	6	3	6	3	6	3	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.	
4CB3	300	600	16	3	2	3	2	3	2	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.	
5TH FLOOR CANTILEVER BEAM SCHEDULE (5000 PSI)													
5CB1	400	600	20	6	3	6	3	6	3	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.	
5CB2	400	600	16	6	3	6	3	6	3	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.	
5CB3	300	600	16	3	2	3	2	3	2	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.	
6TH FLOOR CANTILEVER BEAM SCHEDULE (5000 PSI)													
6CB1	400	600	20	6	3	6	3	6	3	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.	
6CB2	400	600	16	6	3	6	3	6	3	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.	
6CB3	300	600	16	3	2	3	2	3	2	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.	
ROOF DECK CANTILEVER BEAM SCHEDULE (5000 PSI)													
6CB1	400	600	20	6	3	6	3	6	3	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.	
6CB2	400	600	16	6	3	6	3	6	3	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.	
6CB3	300	600	16	3	2	3	2	3	2	--	12	1 Ø 50 [A] , 9 Ø 150 [A], REST Ø 200 [A] O.C.	



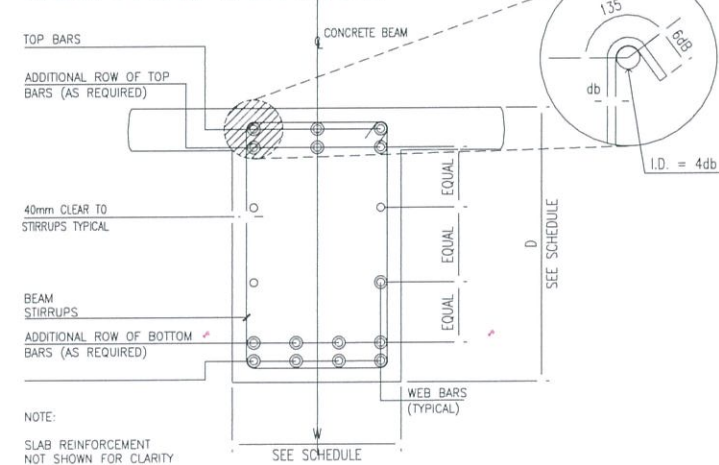
1
S-403

TYPICAL INTERMEDIATE BEAM DETAILS

SCALE: NTS



SECTION DETAILS



2
S-403

TYPICAL INTERMEDIATE BEAM SECTION DETAILS

SCALE: NTS



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NAIA ROAD, PASAY CITY

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF: INITIAL / DATE
DESIGNED BY: IDDD
DRAWN BY: IDDD
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:
GIRDER SCHEDULE
BEAM SCHEDULE
TYPICAL SECTION DETAILS

DRAWING SCALE: AS SHOWN
SHEET NO: S-403

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

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CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

NEW CAAP BUILDING

LOCATION:

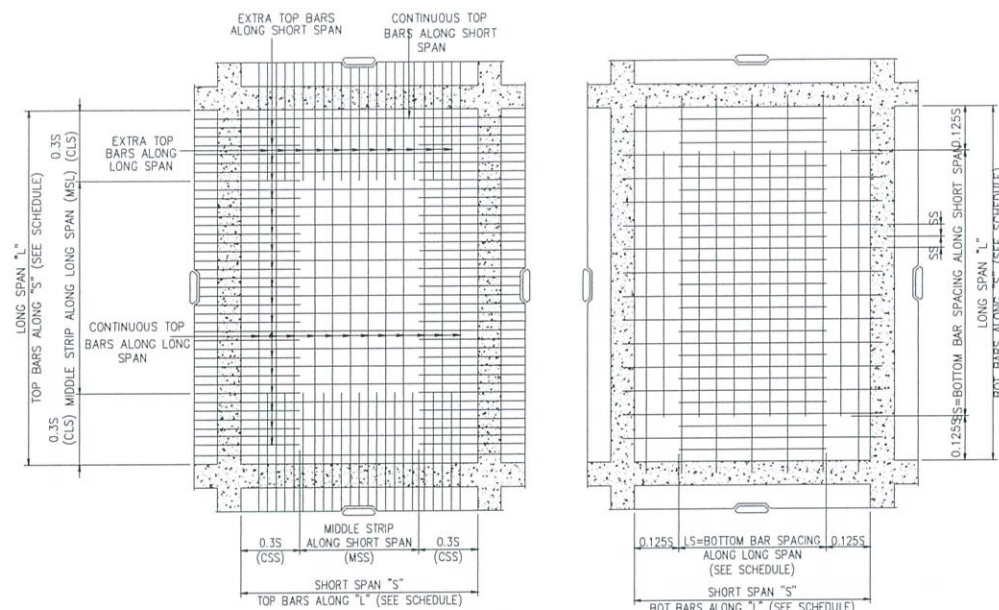
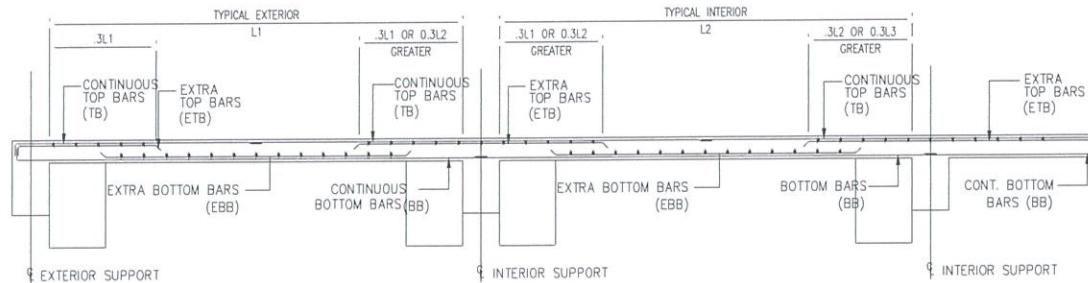
CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

SLAB SCHEDULE & DETAILS
BLOW-UP DETAIL
SECTION DETAIL

DRAWING SCALE: SHEET NO:

AS SHOWN S-501

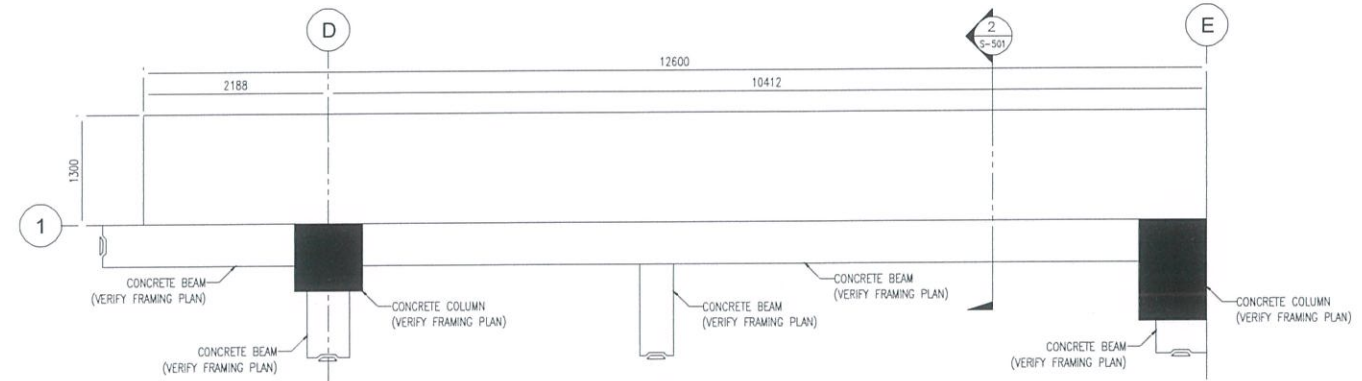


PLAN SHOWING TOP REINFORCEMENT

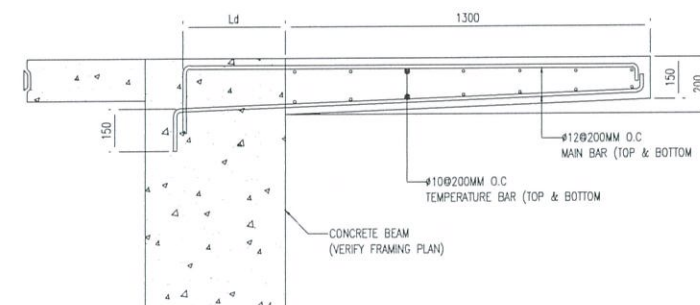
PLAN SHOWING BOTTOM REINFORCEMENT

SLAB	THK (mm)	#BAR (mm)	ALONG SHORT SPAN					ALONG LONG SPAN					REMARKS
			TOP BAR			BOTTOM BAR		TOP BAR			BOTTOM BAR		
			CONTINUOUS BAR (mm)	EXTRA BAR @ LEFT SUPPORT (mm)	EXTRA BAR @ RIGHT SUPPORT (mm)	CONTINUOUS BAR (mm)	EXTRA BAR @ MIDSPAN (mm)	CONTINUOUS BAR (mm)	EXTRA BAR @ LEFT SUPPORT (mm)	EXTRA BAR @ RIGHT SUPPORT (mm)	CONTINUOUS BAR (mm)	EXTRA BAR @ MIDSPAN (mm)	
S1	150	12	300	-	-	300	-	300	-	-	300	-	1W
S2	150	12	200	-	-	200	-	200	-	-	200	-	1W
S3	150	12	150	-	-	150	-	150	-	-	150	-	1W
S4	150	12	250	300	300	300	-	250	250	250	300	-	2W
S5	150	12	250	250	250	250	-	250	-	-	250	-	1W
S6	250	12	250	-	-	250	-	250	-	-	250	-	1W

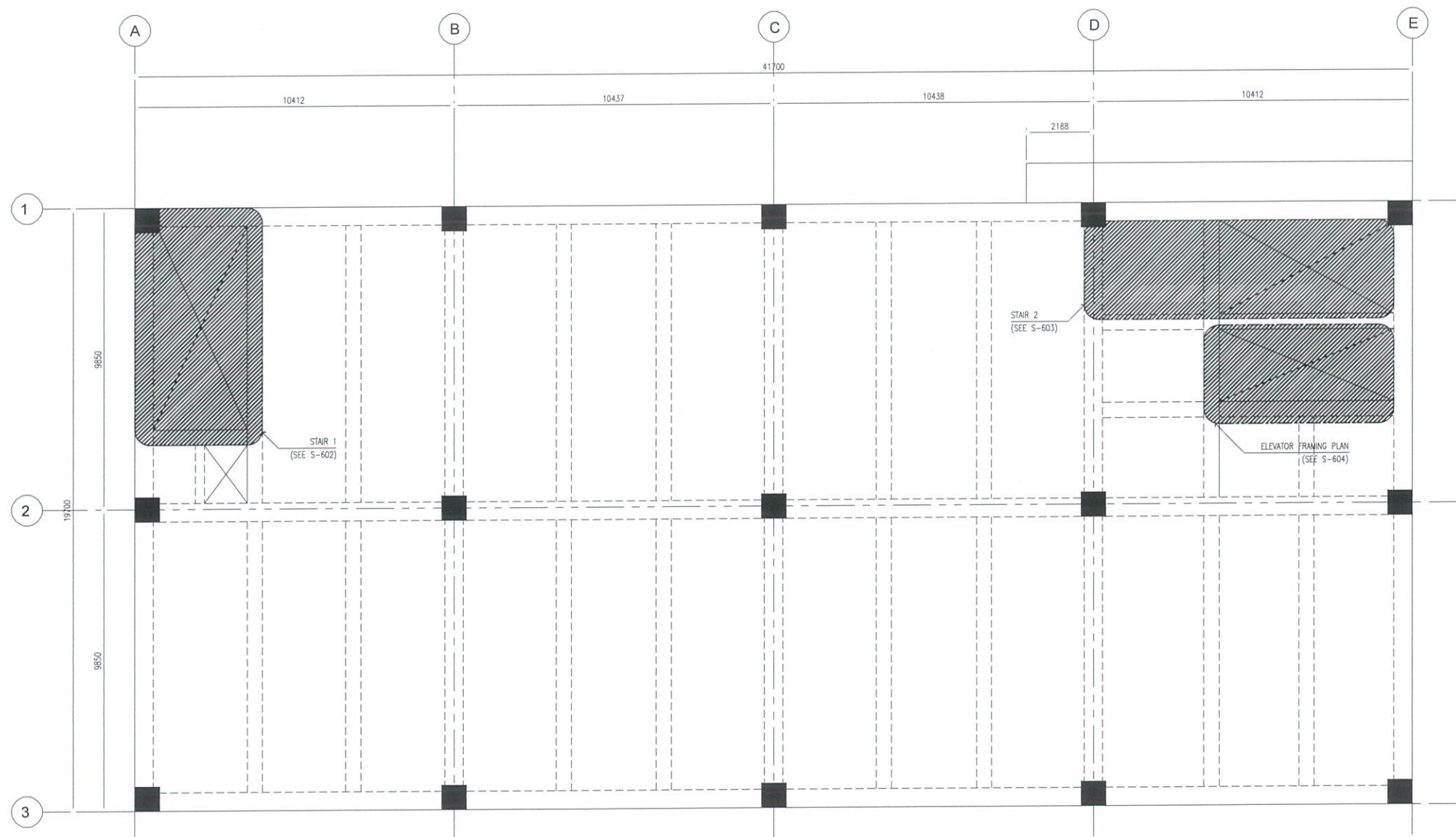
3 SLAB SCHEDULE & DETAILS
S-501 SCALE: 1:100MTS



1 CONCRETE LEDGE BLOW-UP DETAIL
S-501 SCALE: 1:50MTS



2 CONCRETE LEDGE SECTION DETAIL
S-501 SCALE: 1:50MTS



1 STAIR & ELEVATOR KEY PLAN
S-601 SCALE: 1:50MTS



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
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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:

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Department Manager III, AED-ADMS

RECOMMEND APPROVAL:

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Assistant Director General II, ADMS

APPROVED BY:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

NEW CAAP BUILDING

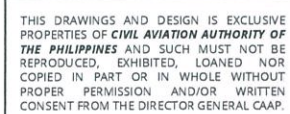
LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

STAIR & ELEVATOR KEY PLAN

DRAWING SCALE:	SHEET NO:
AS SHOWN	S-601



INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

REVIEWED BY:

SUBMITTED BY

RECOMMEND APPROVAL:

APPROVED BY _____

NOTES/REVISIONS

LOCATION:
CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

TYPICAL FLOOR STAIR PLAN
SECTION DETAIL
BLOW-UP DETAIL
STB DETAIL
STC DETAIL

DRAWING SCALE:	SHEET NO:
AS SHOWN	S-602