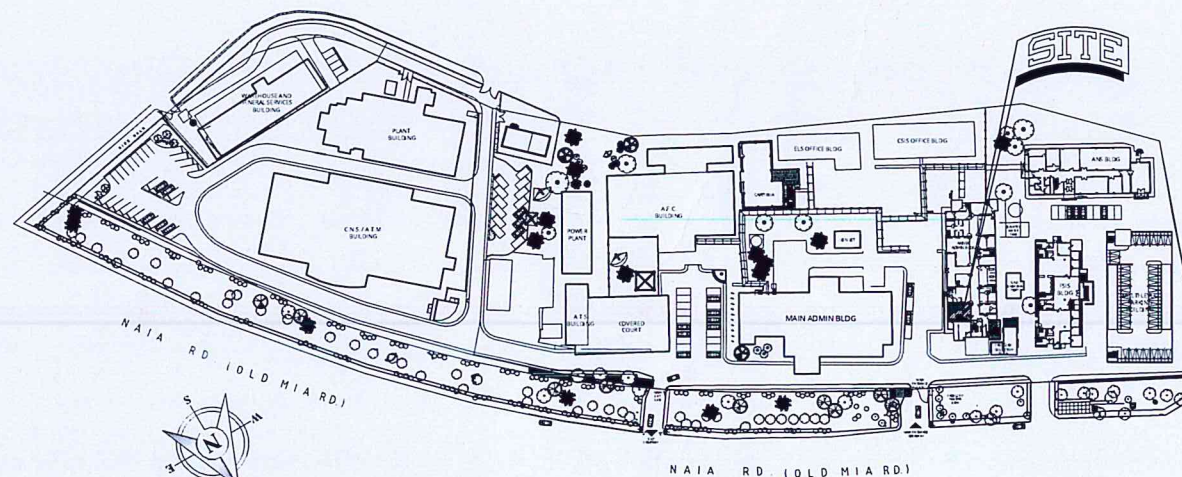




1 LABORATORY  
INTERIOR PERSPECTIVE  
SCALE: NTS



2 VICINITY MAP  
SCALE: NTS



3 LOCATION PLAN  
SCALE: 1:1700 M

REPUBLIC OF THE PHILIPPINES  
OFFICE OF THE BUILDING OFFICIALS  
DISTRICT / CITY / MUNICIPALITY



LAND USE & ZONING

LINE & GRADE

ARCHITECTURAL

CIVIL / STRUCTURAL

ELECTRICAL

MECHANICAL

SANITARY

ELECTRONICS

GEODETIC ENGINEER

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF: INITIAL / DATE  
DESIGNED BY: QLDC 4/5  
DRAWN BY: QLDC  
CHECKED BY:

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

APPROVED BY:  
LT GEN RAUL L DEL ROSARIO AFP (RET)  
Director General

NOTES/REVISIONS:

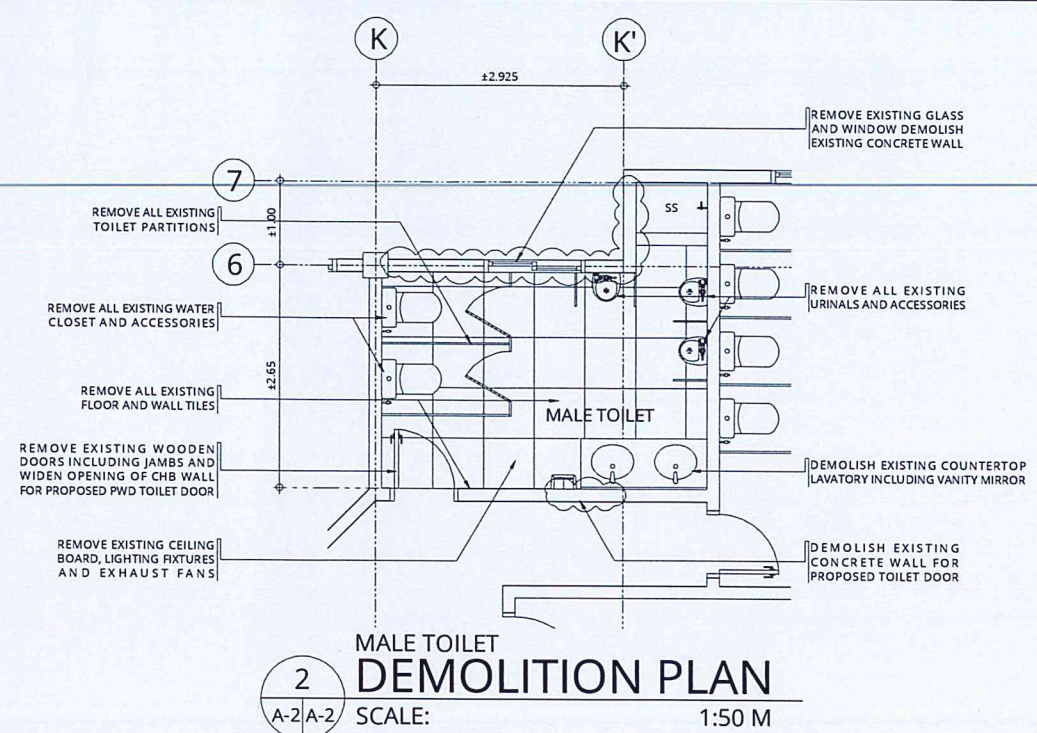
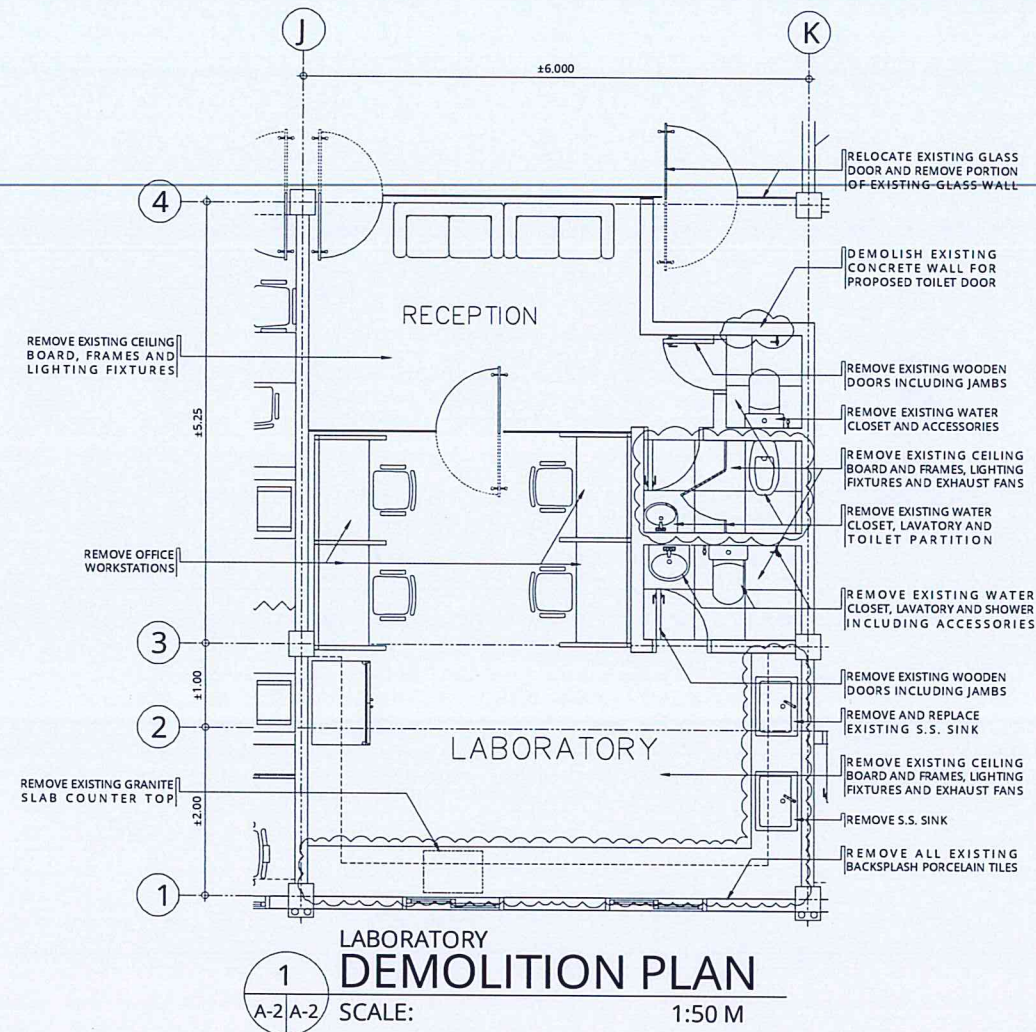
PROJECT:  
IMPROVEMENT OF OFSAM LABORATORY

LOCATION:  
CAAP HEAD OFFICE  
NAIA ROAD, PASAY CITY

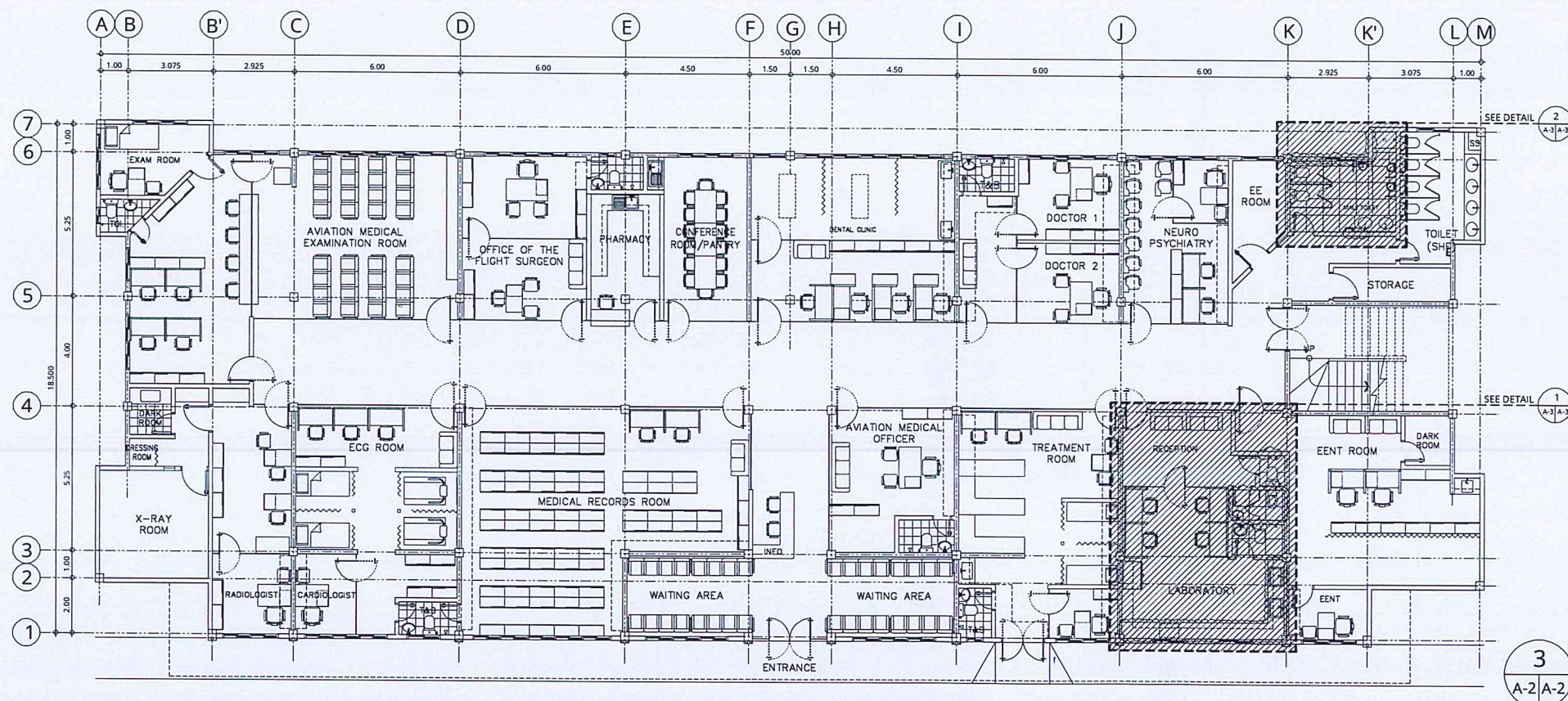
SHEET CONTENTS:  
• PERSPECTIVE  
• VICINITY MAP  
• LOCATION PLAN

DRAWING SCALE: AS SHOWN  
SHEET NO: A-1





FOR DEMOLITION:		
A. TILES	135	SQM
B. CHB WALL	21.20	SQM
C. CEILING BOARDS	43.77	SQM
D. FIXTURES	22	SETS
E. DOORS	4	SETS
F. WORKSTATIONS	4	SETS



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	CJLDC
DRAWN BY:	CJLDC
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Assistant Director General II, ADMS

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Director General

NOTES/REVISIONS:

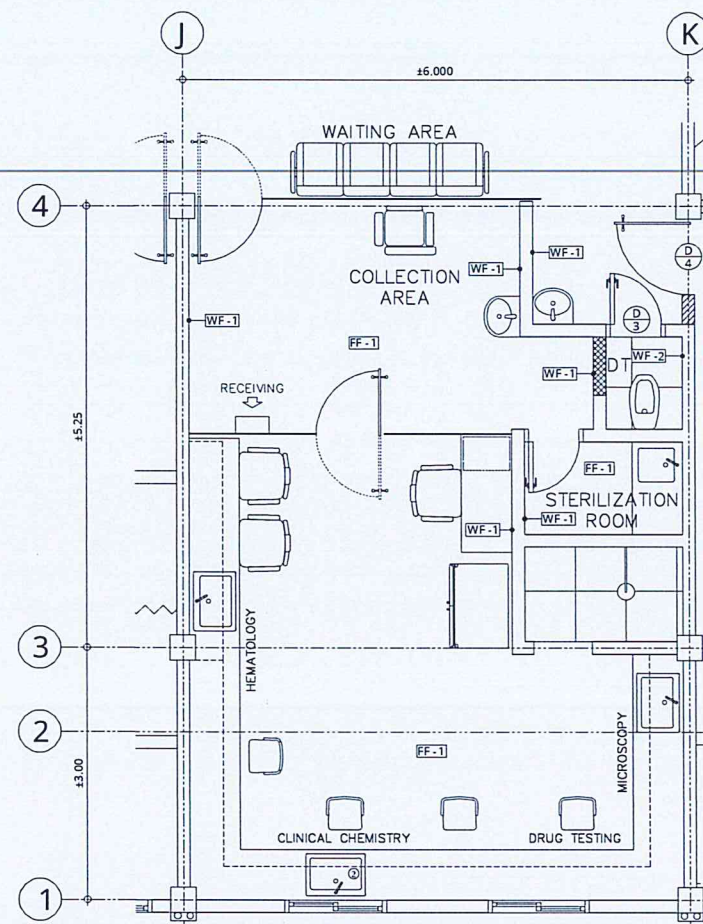
PROJECT:  
IMPROVEMENT OF OFSAM LABORATORY

LOCATION:  
CAAP HEAD OFFICE  
NAIA ROAD, PASAY CITY

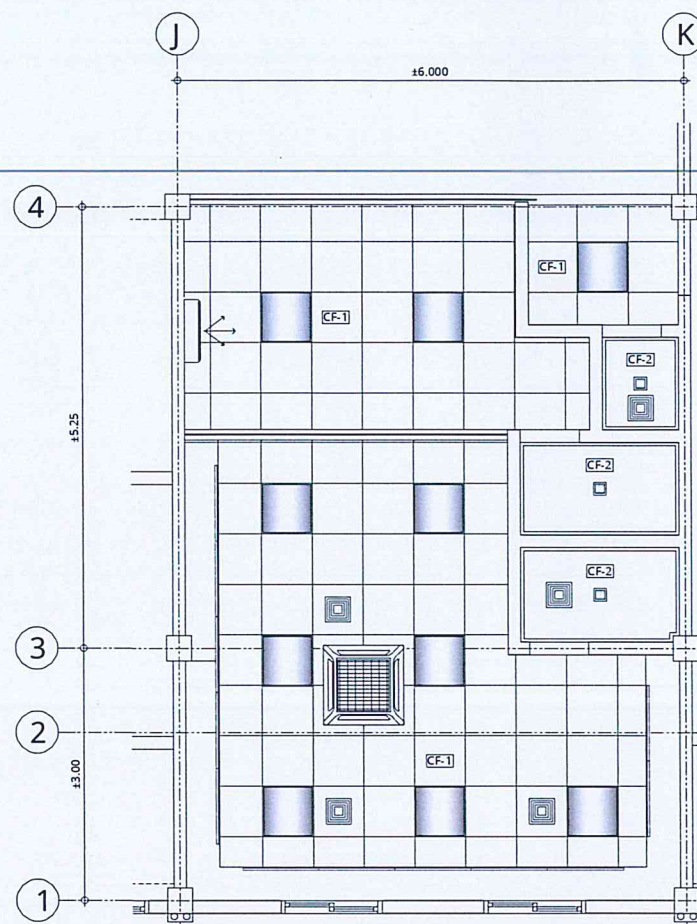
SHEET CONTENTS:  
• DEMOLITION PLANS

DRAWING SCALE:	SHEET NO:
AS SHOWN	A-2

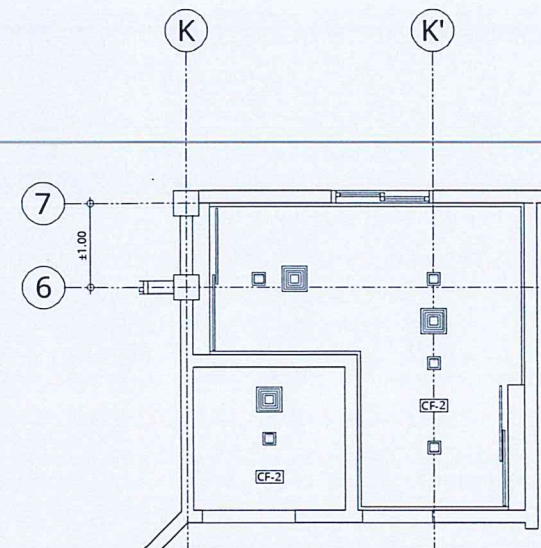




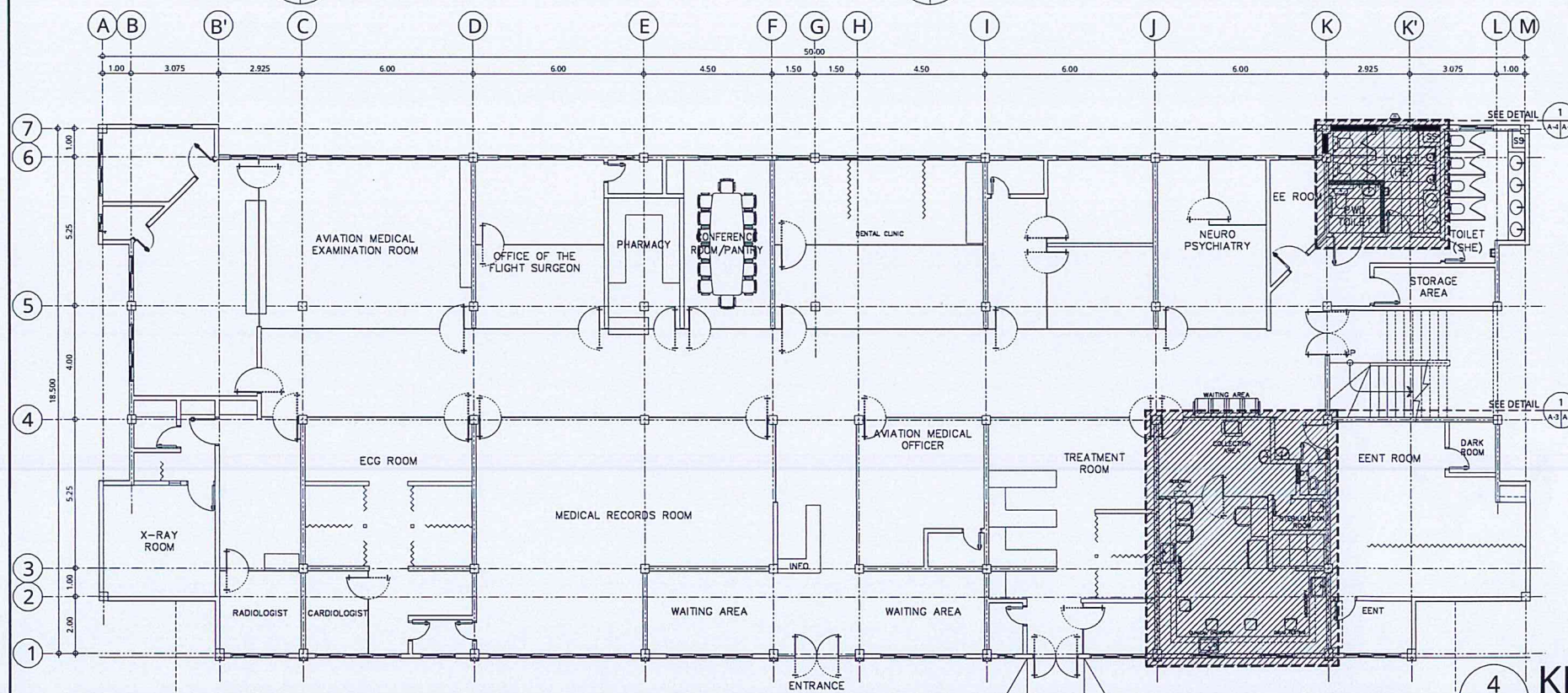
**1 LABORATORY DETAILED PLAN**  
A-3 A-3 SCALE: 1:50 M



**2 LABORATORY REFLECTED CEILING PLAN**  
A-3 A-3 SCALE: 1:50 M



**3 MALE & PWD TOILET REFLECTED CEILING PLAN**  
A-3 A-3 SCALE: 1:50 M



**4 KEY PLAN**  
A-3 A-3 SCALE: 1:50 M

LEGEND	
	600 MM X 600 MM LED PANEL LIGHTING FIXTURE
	6" x 6" RECESSED SQUARE LED DOWNLIGHT
	CONCEALED T5 LED LIGHTING FIXTURE
	CEILING MOUNTED EXHAUST FAN
	EXISTING CEILING MOUNTED CASSETTE TYPE FCU
	EXISTING WALL-HUNG TYPE FCU
CEILING FINISHES	
CF-1	9 MM THK. 0.60 M X 0.60 M PVC LAMINATED BOARD WITH FOIL BACKING ON SUSPENDED CEILING SYSTEM (14.22 SQM)
CF-2	12 MM THK. MOISTURE RESISTANT GYPSUM BOARD IN LATEX PAINT FINISH (19.49 SQM)
WALL FINISHES	
WF-1	ACRYLIC WATER-BASED ODOR-LESS ANTI BACTERIAL PAINT SATIN FINISH (22.56 SQM)
WF-2	9 MM THK. X 600MM X 600MM HOMOGENOUS PORCELAIN TILES MATTE FINISH (4-LAYERS) (57.96 SQM)
FLOOR FINISHES	
FF-1	3 MM THK. NON-SLIP MEDICAL GRADE ROLLED VINYL WITH SELF LEVELING COMPOUND (41.37 SQM)
WALL TYPES	
	6" CHB WALL WITH 2-SIDE 25 MM THK. SMOOTH CEMENT PLASTERING (21.37 SQM)
	4" CHB WALL WITH 2-SIDE 25 MM THK. SMOOTH CEMENT PLASTERING (37.07 SQM)
	12 MM THK. FIBER CEMENT BOARD IN 50 MM x 100 MM x 0.6 MM THK. METAL STUDS (2.07 SQM)



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE  
INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF: INITIAL / DATE  
DESIGNED BY: CJLDC  
DRAWN BY: CJLDC  
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Assistant Director General II, ADMS

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Director General

NOTES/REVISIONS:

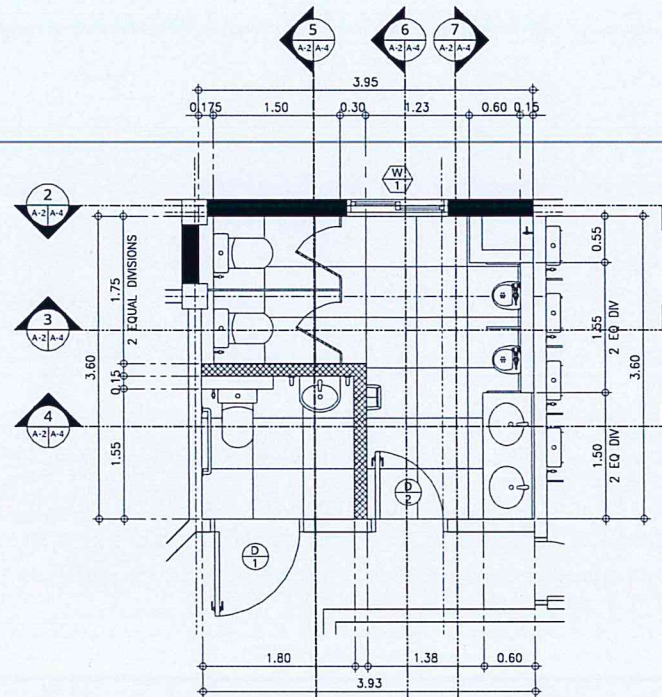
PROJECT:  
IMPROVEMENT OF OFSAM LABORATORY

LOCATION:  
CAAP HEAD OFFICE  
NAIA ROAD, PASAY CITY

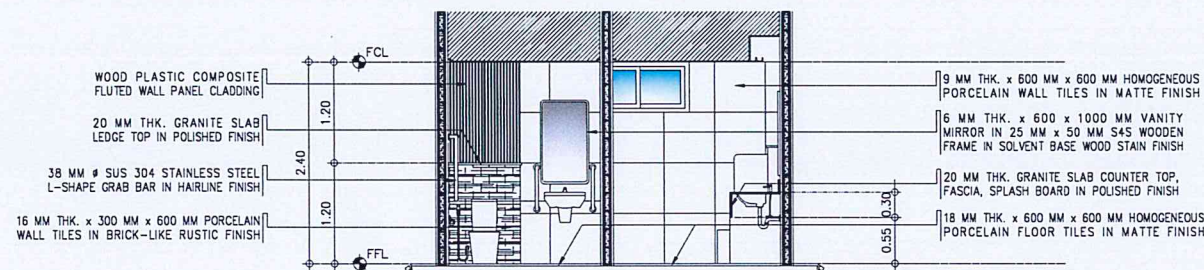
SHEET CONTENTS:  
• LABORATORY DETAILED PLAN  
• LABORATORY AND TOILET RCP

DRAWING SCALE: SHEET NO:  
AS SHOWN A-3

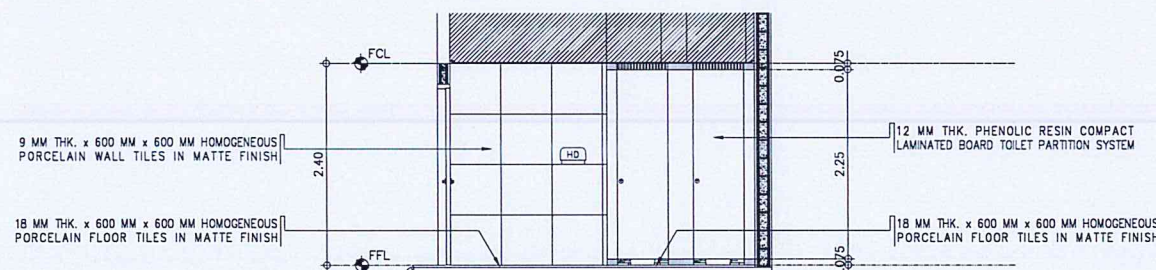




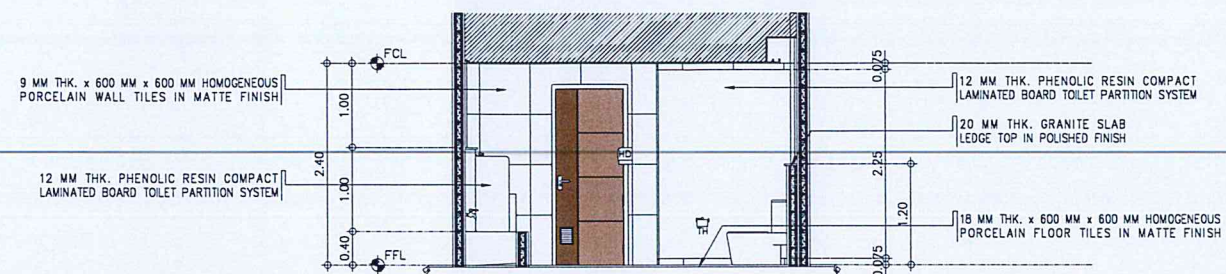
**1**  
A-2/A-4  
**PWD & MALE TOILET  
DETAILED PLAN**  
SCALE: 1:50 M



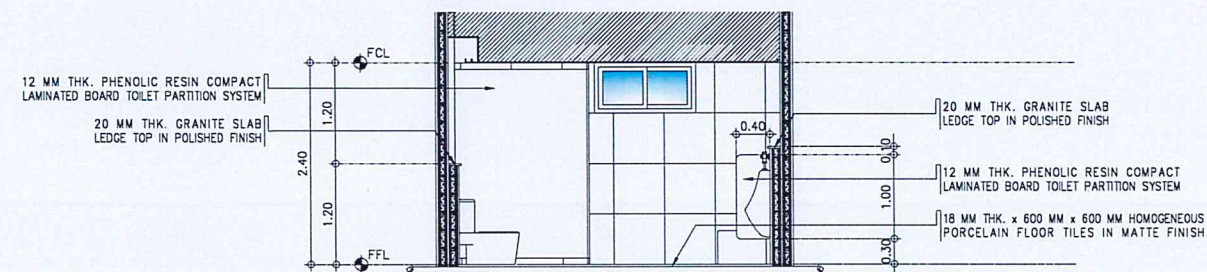
**4**  
A-2/A-4  
**PWD & MALE TOILET  
DETAILED SECTION C**  
SCALE: 1:50 M



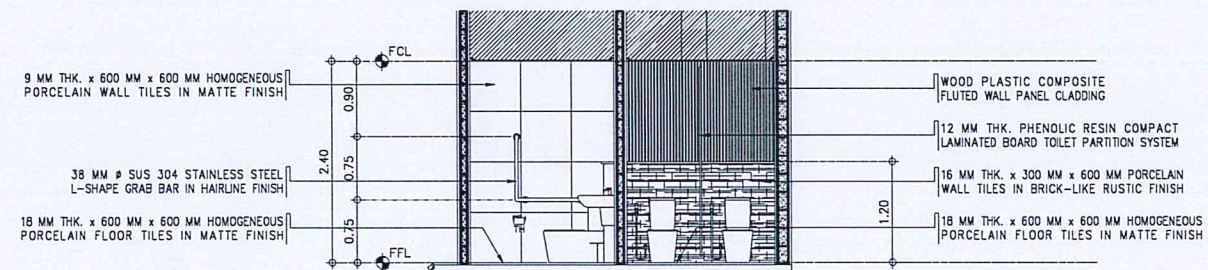
**6**  
A-2/A-4  
**MALE TOILET  
DETAILED SECTION E**  
SCALE: 1:50 M



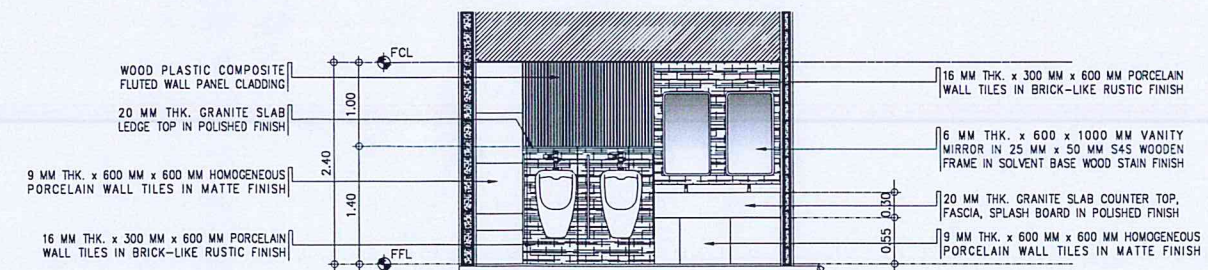
**2**  
A-2/A-4  
**MALE TOILET  
DETAILED SECTION A**  
SCALE: 1:50 M



**3**  
A-2/A-4  
**TOILET  
DETAILED SECTION B**  
SCALE: 1:50 M



**5**  
A-2/A-4  
**PWD & MALE TOILET  
DETAILED SECTION D**  
SCALE: 1:50 M



**7**  
A-2/A-4  
**MALE TOILET  
DETAILED SECTION F**  
SCALE: 1:50 M



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	CJLDC
DRAWN BY:	CJLDC
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REVIEWED BY:

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**LTGEN RAUL L DEL ROSARIO AFP (RET)**  
Director General

NOTES/REVISIONS:

PROJECT:

**IMPROVEMENT OF OFSAM LABORATORY**

LOCATION:

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

SHEET CONTENTS:

• PWD & MALE TOILET DETAILS

DRAWING SCALE:	SHEET NO:
1:50 M	A-4





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AERODROME DEVELOPMENT  
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT  
AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	QJLDC 9/10
DRAWN BY:	QJLDC
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Assistant Director General II, ADMS

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Director General

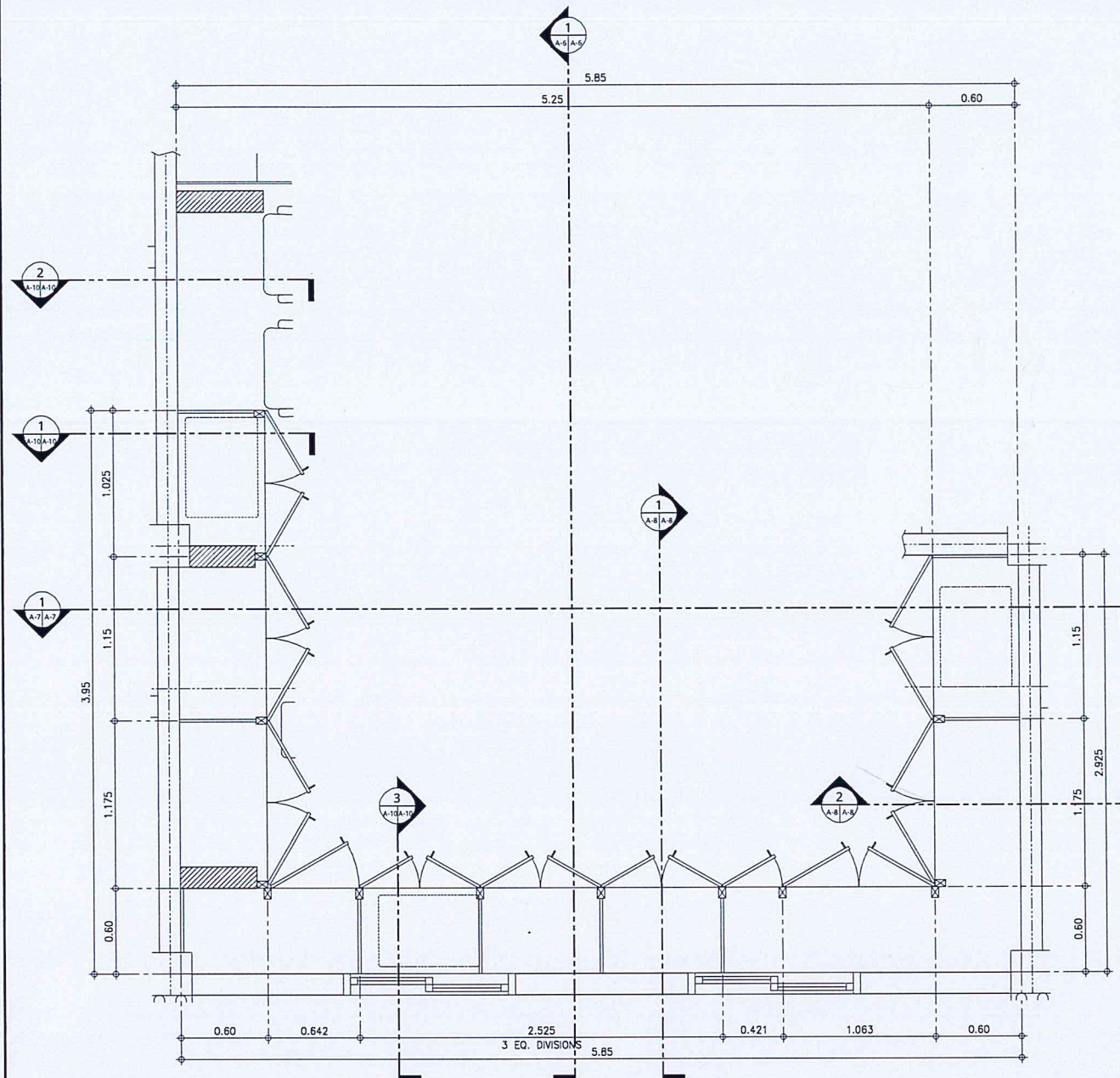
NOTES/REVISIONS:

PROJECT:  
  
IMPROVEMENT OF  
OFSAM LABORATORY

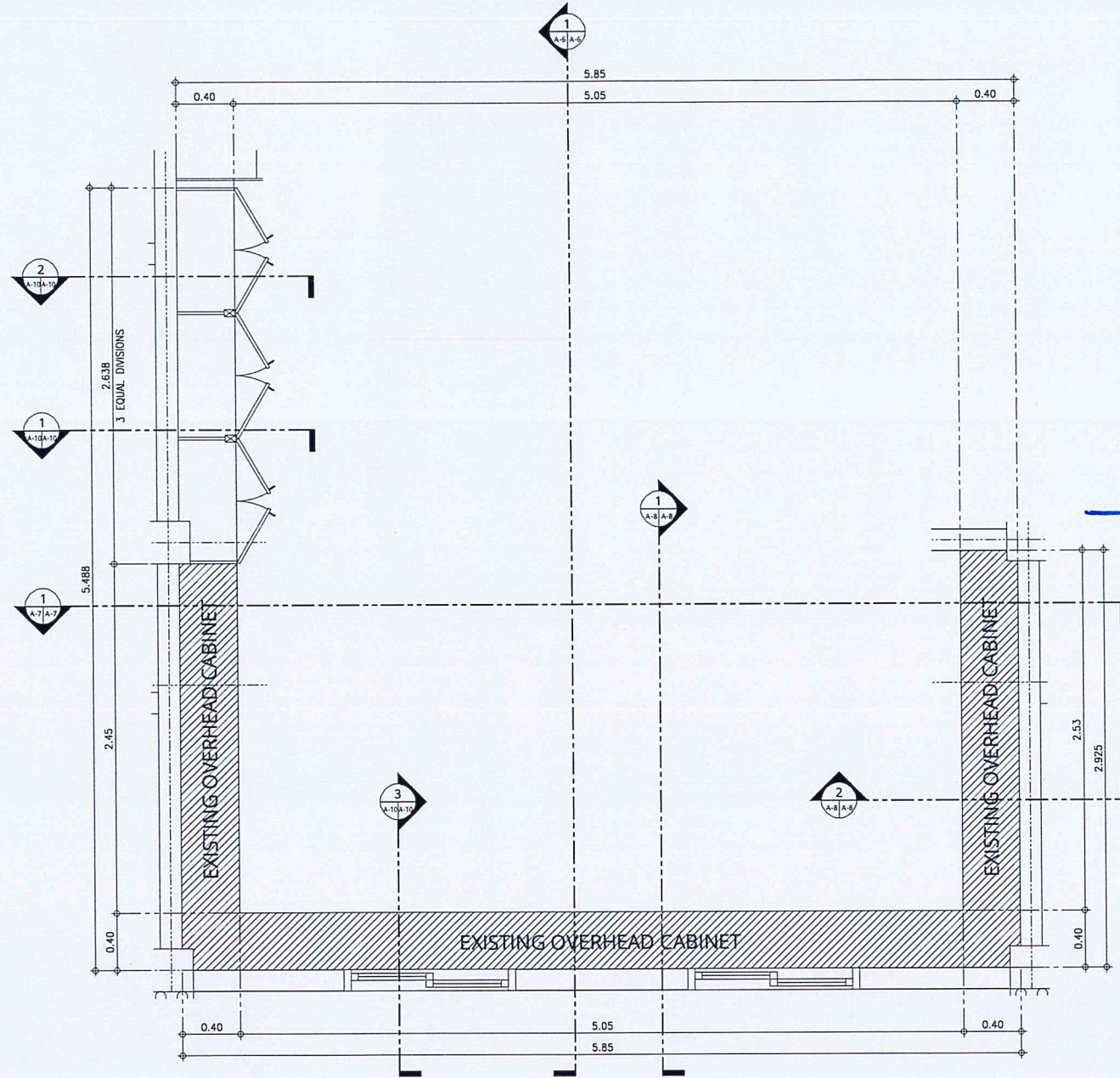
LOCATION:  
  
CAAP HEAD OFFICE  
NAIA ROAD, PASAY CITY

SHEET CONTENTS:  
  
• LABORATORY  
BUILT-IN CABINET  
DETAILED PLANS

DRAWING SCALE:	SHEET NO:
1:25 M	A-5



1  
A-5/A-5  
UNDERCOUNTER CABINET  
DETAILED PLAN  
SCALE: 1:25 M



2  
A-6/A-6  
OVERHEAD CABINET  
DETAILED PLAN  
SCALE: 1:25 M





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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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

REVIEWED BY:  
*RAUL R. CRUCENA*  
RAUL R. CRUCENA  
Division Chief III, IDDD-AED

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ARNEL R. BORLADO  
Department Manager III, AED-ADMS

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

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*LT GEN RAUL L DEL ROSARIO AFP (RET)*  
LT GEN RAUL L DEL ROSARIO AFP (RET)  
Director General

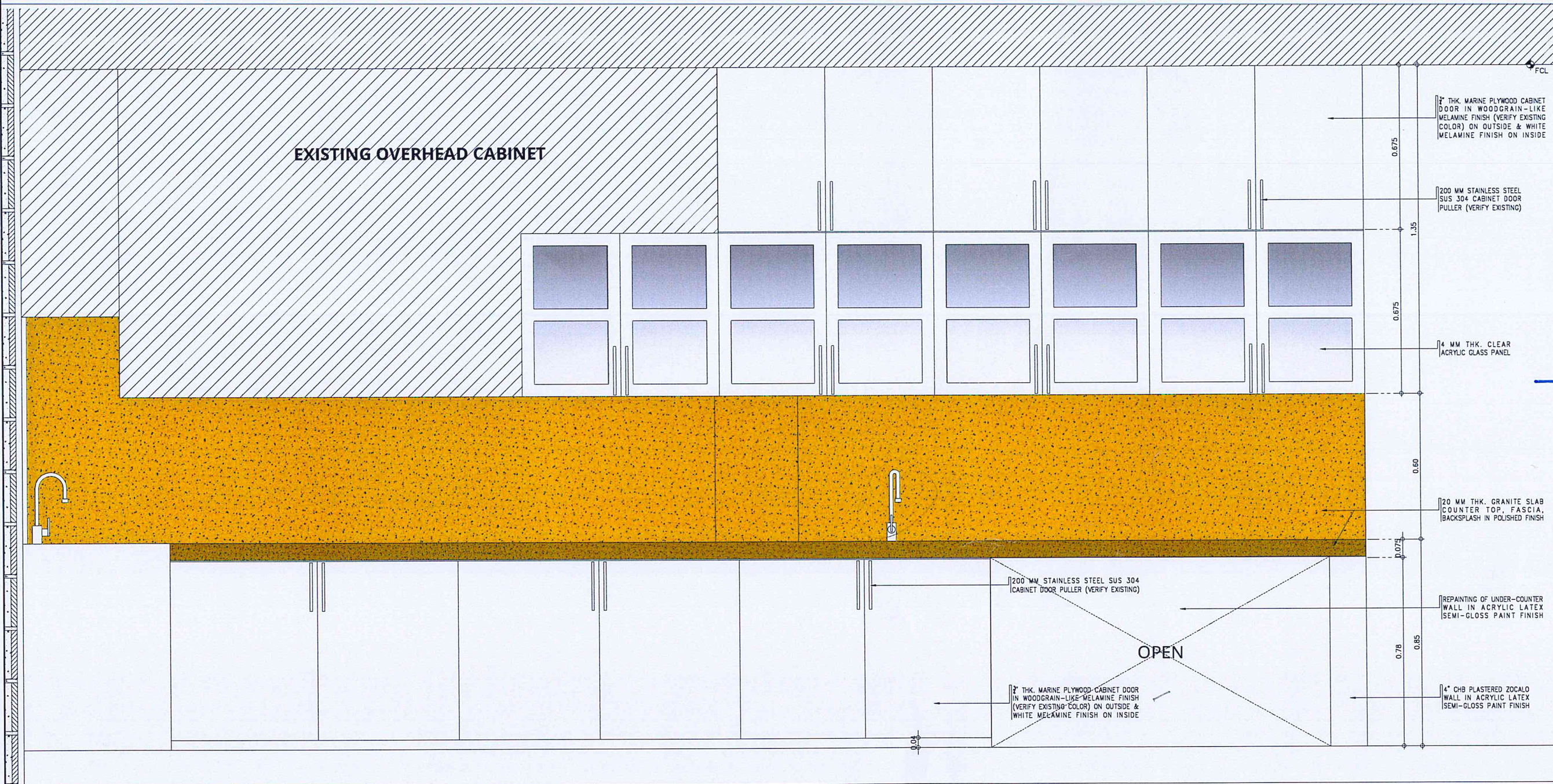
NOTES/REVISIONS:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PROJECT:  
IMPROVEMENT OF OFSAM LABORATORY

LOCATION:  
CAAP HEAD OFFICE  
NAIA ROAD, PASAY CITY

SHEET CONTENTS:  
• LABORATORY BUILT-IN CABINET DETAILED ELEVATION A

DRAWING SCALE:	SHEET NO:
1:10 M	A-6



LABORATORY BUILT-IN CABINET  
1  
A-6 A-6  
A  
SCALE: 1:10 M





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AERODROME DEVELOPMENT  
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT  
AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	CJDC 9/6
DRAWN BY:	CJDC
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LT GEN RAUL L DEL ROSARIO AFP (RET)  
Director General

NOTES/REVISIONS:

PROJECT:  
  
IMPROVEMENT OF  
OFSAM LABORATORY

LOCATION:  
  
CAAP HEAD OFFICE  
NAIA ROAD, PASAY CITY

SHEET CONTENTS:  
  
• LABORATORY BUILT-IN  
CABINET DETAILED  
ELEVATION B

DRAWING SCALE:	SHEET NO:
1:10 M	A-7

EXISTING OVERHEAD CABINET

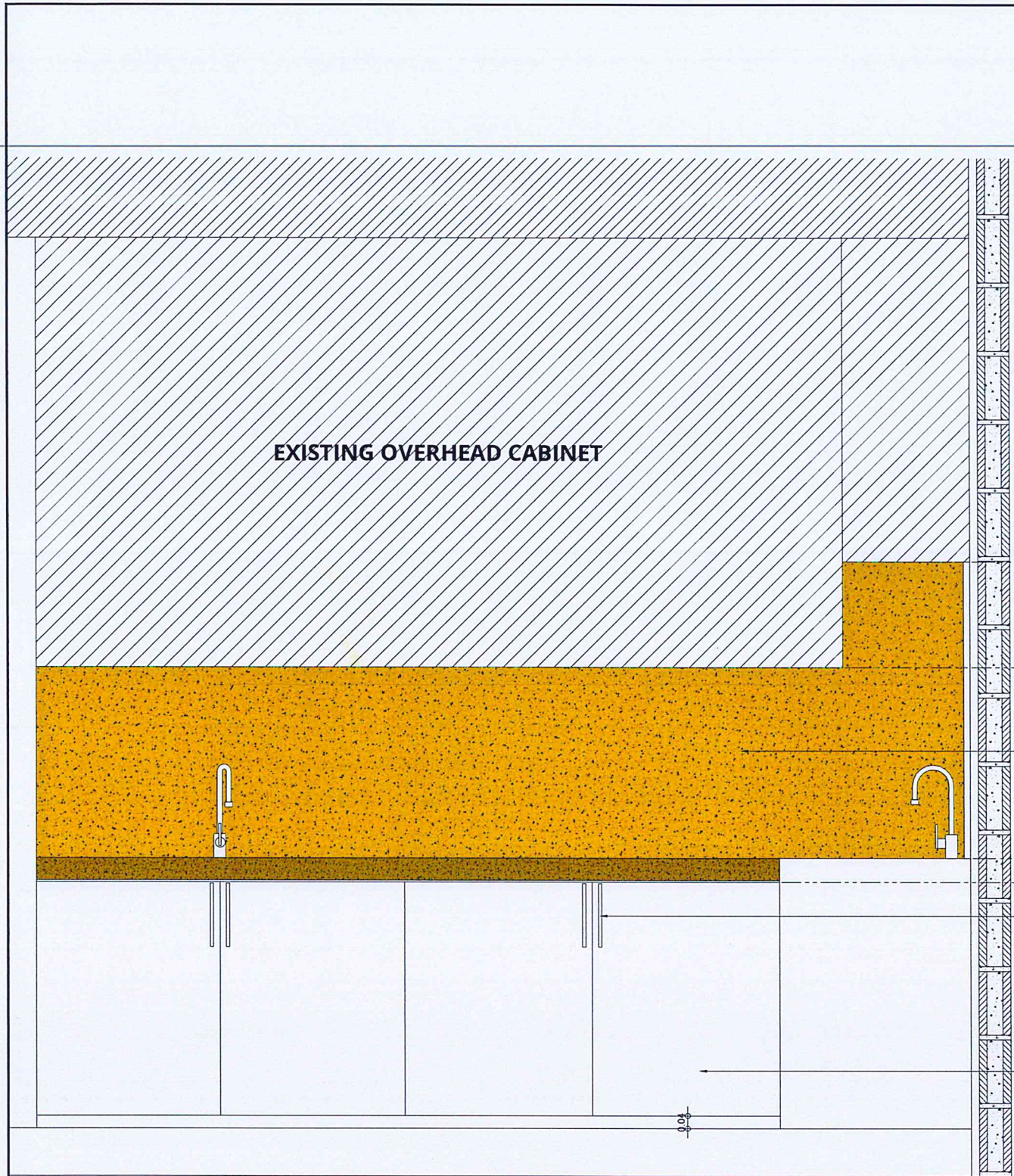
20 MM THK. GRANITE SLAB  
BACKSPLASH IN POLISHED FINISH

200 MM STAINLESS STEEL  
SUS 304 CABINET DOOR  
PULLER (VERIFY EXISTING)

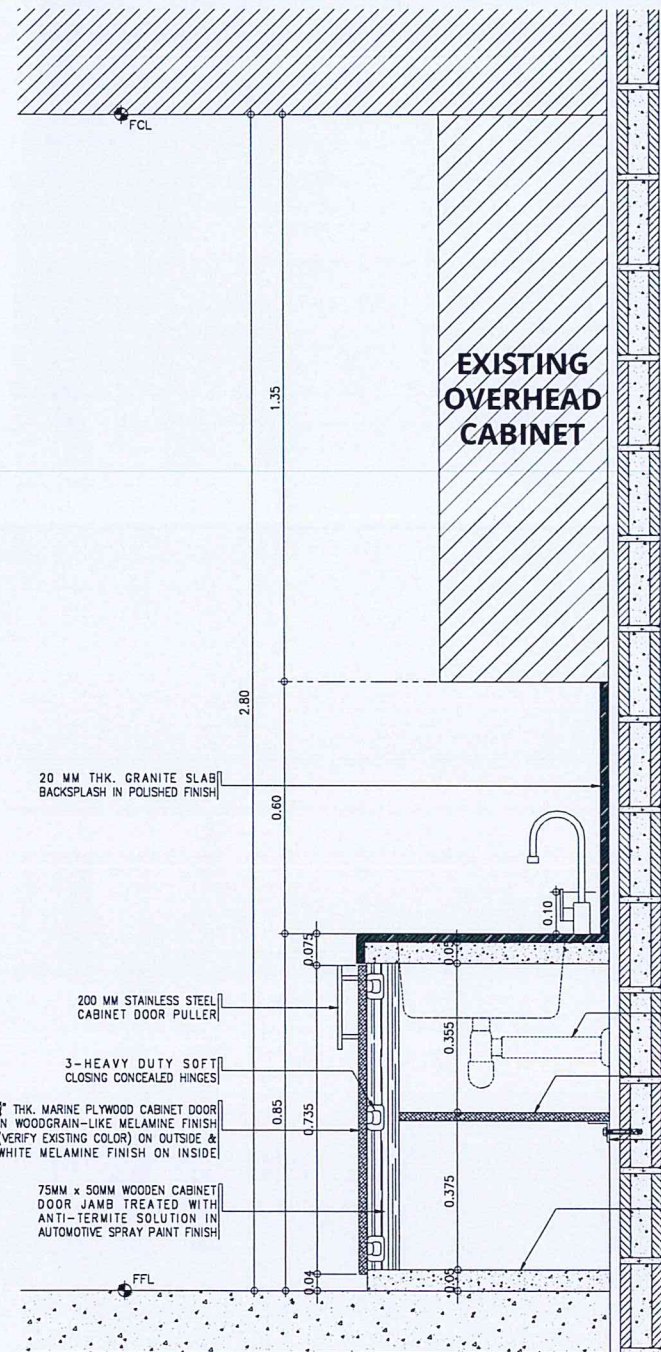
1" THK. MARINE PLYWOOD CABINET  
DOOR IN WOODGRAIN-LIKE  
MELAMINE FINISH (VERIFY EXISTING  
COLOR) ON OUTSIDE & AUTOMOTIVE  
SPRAY PAINT FINISH ON INSIDE

LABORATORY BUILT-IN CABINET  
**DETAILED ELEVATION B**  
SCALE: 1:10 M





LABORATORY BUILT-IN CABINET  
**1**  
 A-8 A-8  
**DETAILED ELEVATION C**  
 SCALE: 1:10 M



LABORATORY BUILT-IN CABINET  
**2**  
 A-8 A-8  
**DETAILED SECTION A**  
 SCALE: 1:10 M



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE  
 INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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

REVIEWED BY:  
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 Director General

NOTES/REVISIONS:

PROJECT:  
 IMPROVEMENT OF OFSAM LABORATORY

LOCATION:  
 CAAP HEAD OFFICE  
 NAIA ROAD, PASAY CITY

SHEET CONTENTS:  
 • LABORATORY BUILT-IN CABINET DETAILED ELEVATION AND SECTION

DRAWING SCALE: 1:10 M  
 SHEET NO: A-8





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AERODROME DEVELOPMENT  
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT  
AND DESIGN DIVISION

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

REVIEWED BY:

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APPROVED BY:

LTGEN RAY L DEL ROSARIO AFP (RET)  
Director General

NOTES/REVISIONS:

PROJECT:

IMPROVEMENT OF  
OFSAM LABORATORY

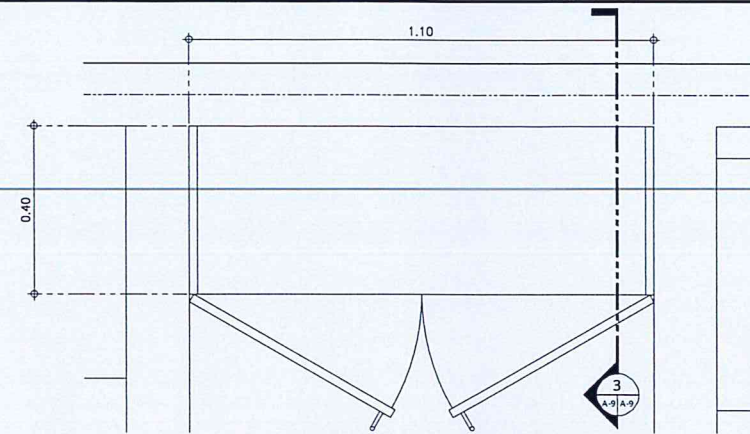
LOCATION:

CAAP HEAD OFFICE  
NAIA ROAD, PASAY CITY

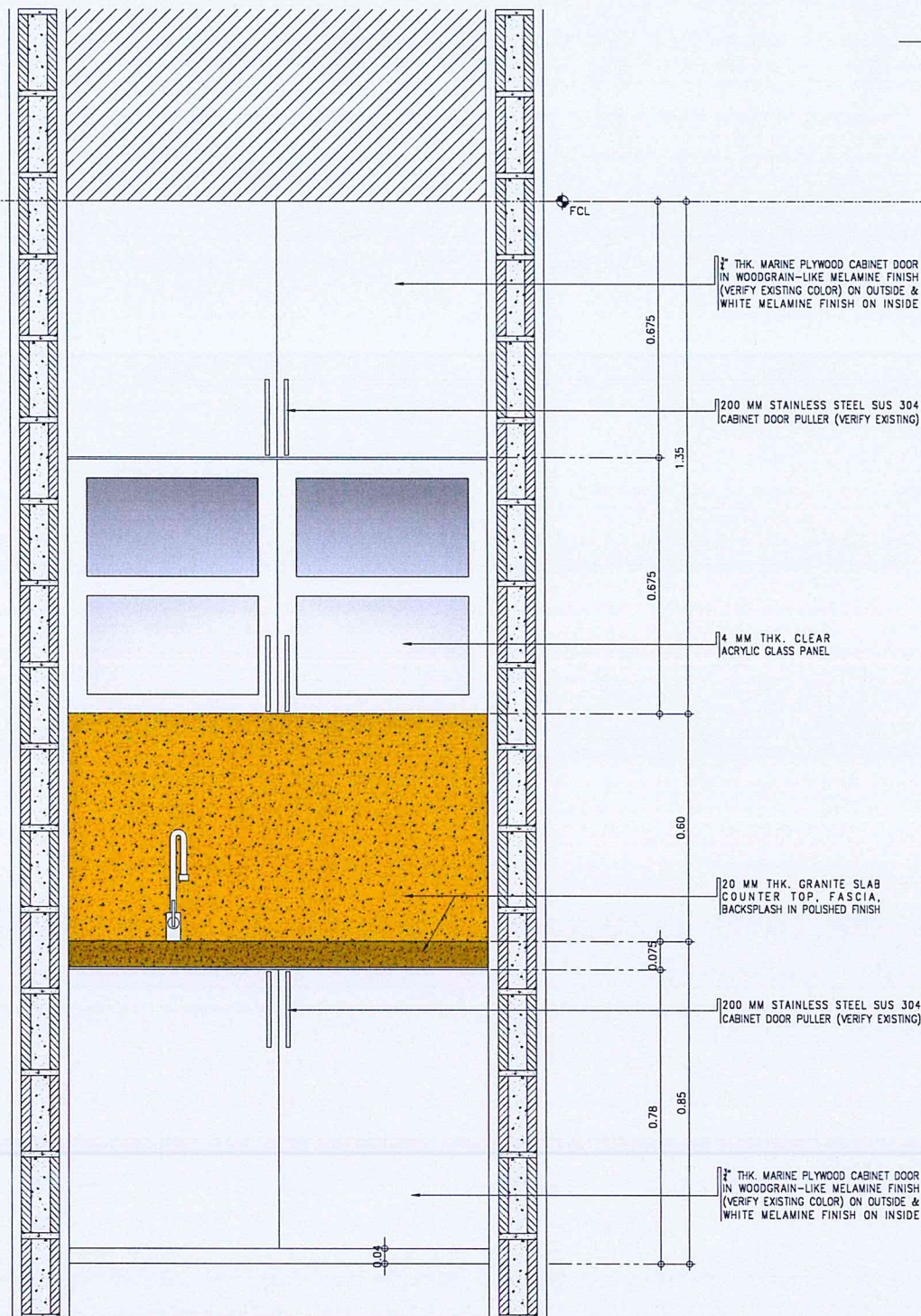
SHEET CONTENTS:

• STERILIZATION ROOM  
BUILT-IN CABINET  
DETAILS

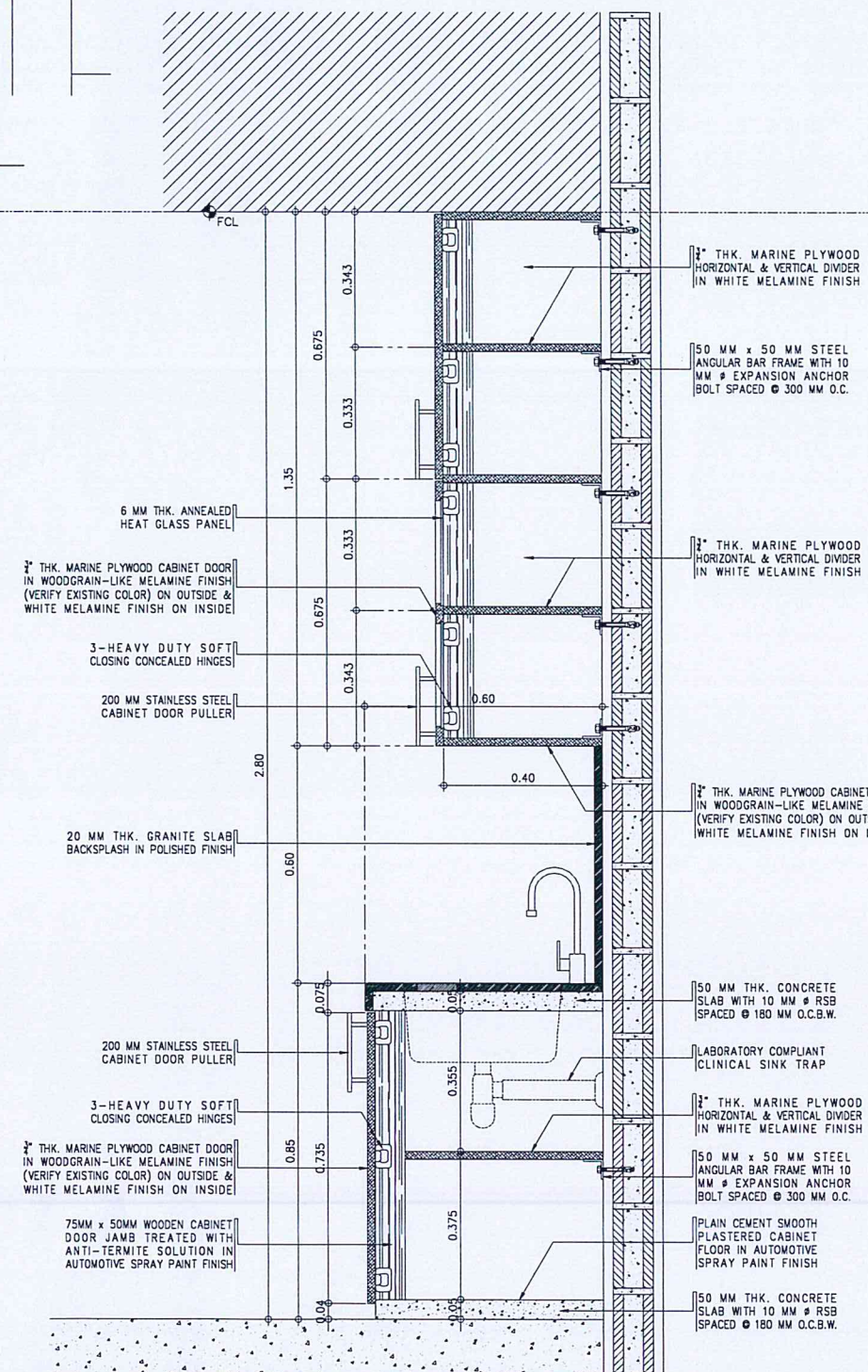
DRAWING SCALE:	SHEET NO:
1:10 M	A-9



1  
A-9/A-9  
STER. RM. BUILT-IN CABINET  
DETAILED PLAN  
SCALE: 1:10 M



2  
A-9/A-9  
STERILIZATION ROOM BUILT-IN CABINET  
DETAILED ELEVATION  
SCALE: 1:10 M



3  
A-9/A-9  
STERILIZATION RM. BUILT-IN CABINET  
DETAILED SECTION  
SCALE: 1:10 M





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NAIA ROAD, 1399 PASAY CITY

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF: INITIAL / DATE  
DESIGNED BY: CJLDC  
DRAWN BY: CJLDC *gvs*  
CHECKED BY:

REVIEWED BY:

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*LT GEN RAUL L DEL ROSARIO AFP (RET)*  
Director General

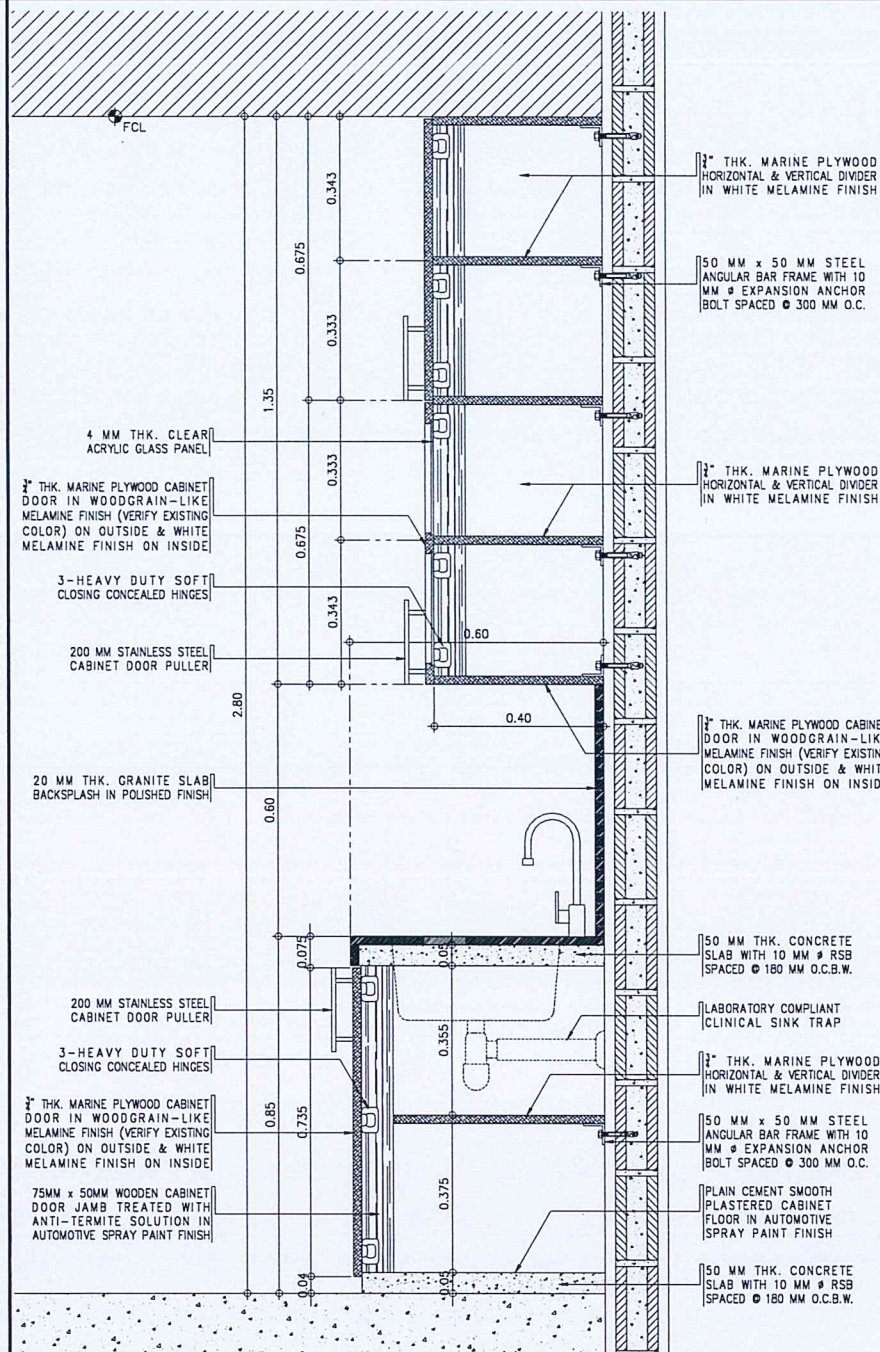
NOTES/REVISIONS:

PROJECT:  
IMPROVEMENT OF OFSAM LABORATORY

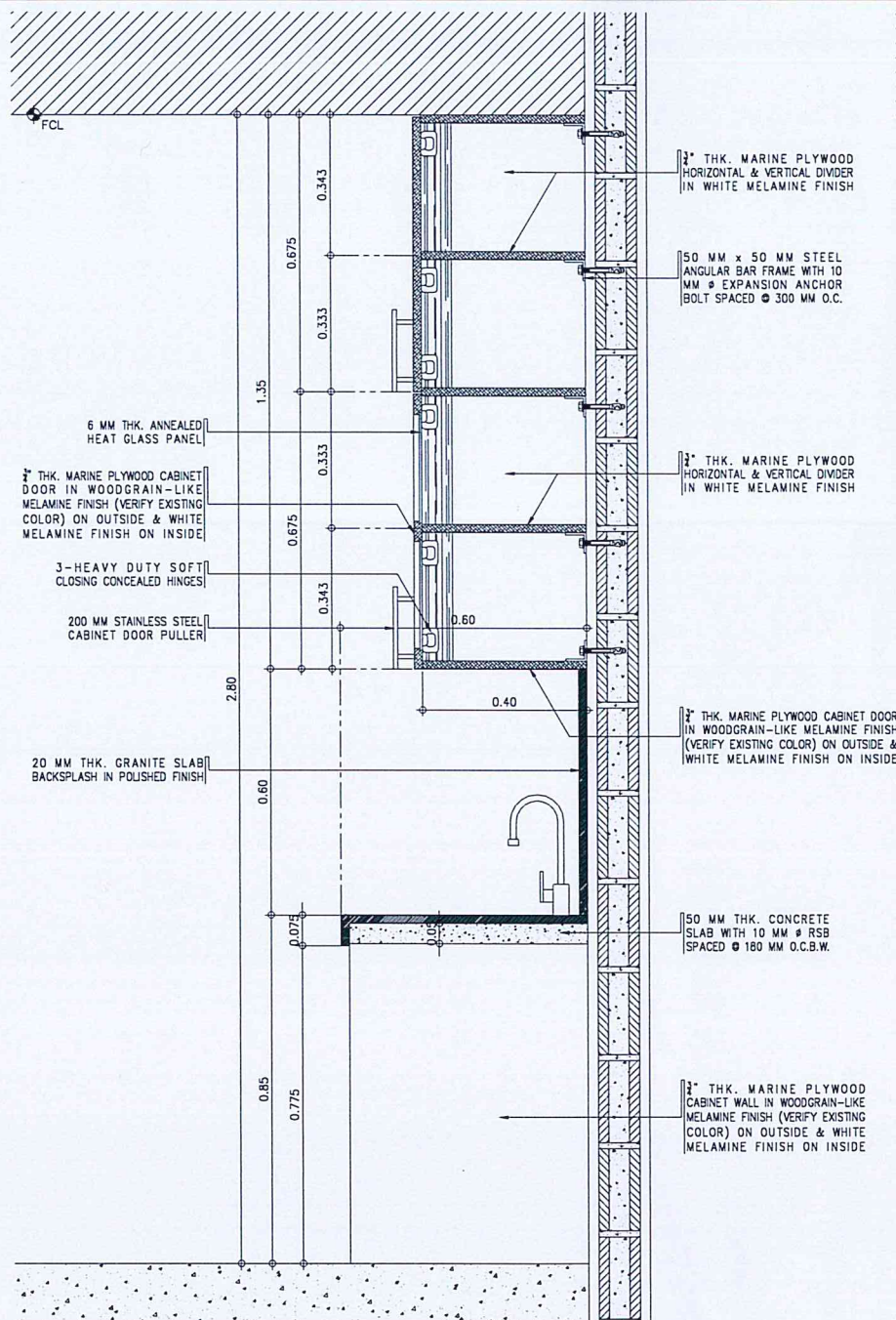
LOCATION:  
CAAP HEAD OFFICE  
NAIA ROAD, PASAY CITY

SHEET CONTENTS:  
• LABORATORY BUILT-IN CABINET DETAILED SECTIONS

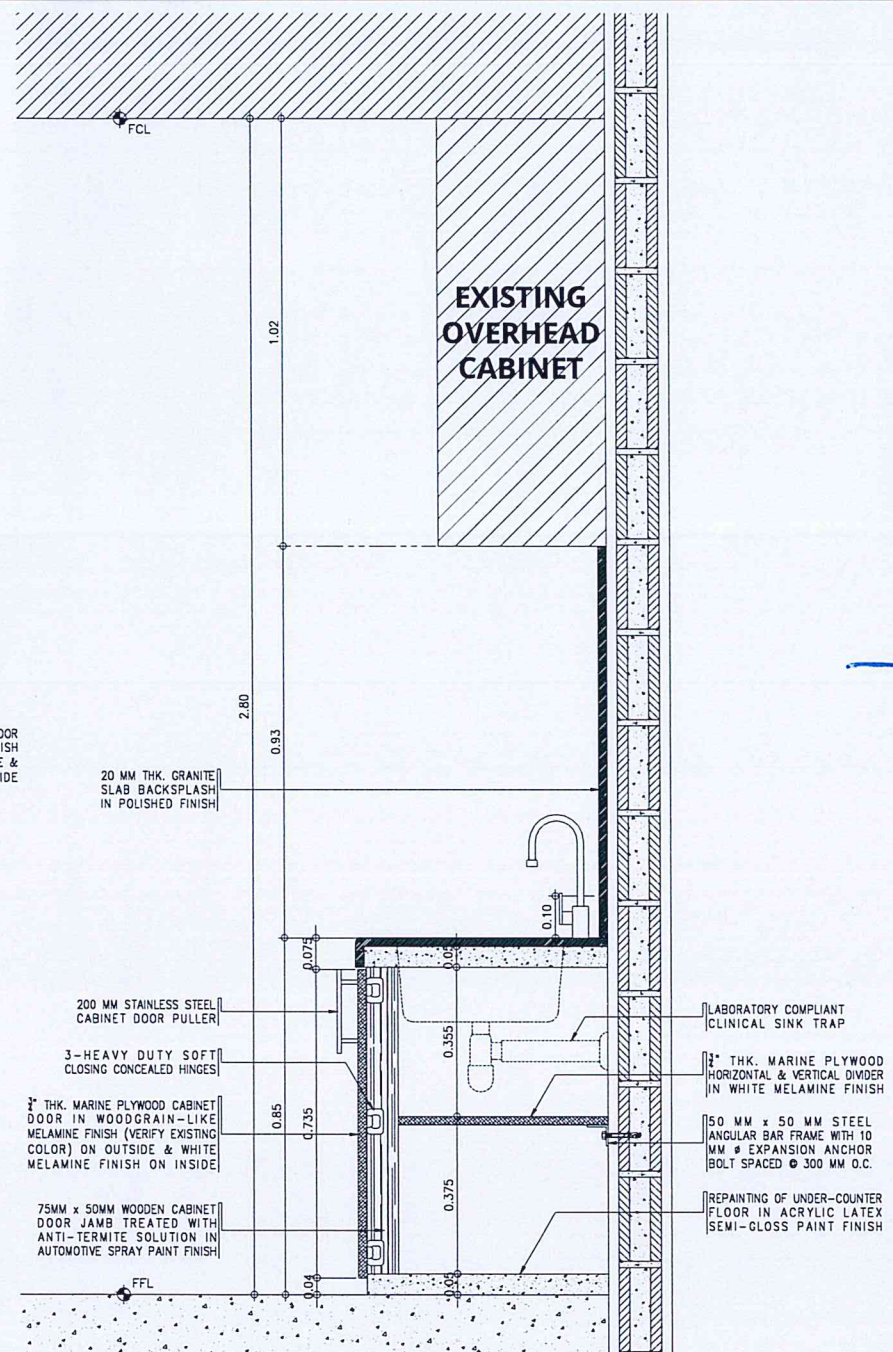
DRAWING SCALE: 1:10 M  
SHEET NO: A-10



1  
A-10/A-10  
LABORATORY. BUILT-IN CABINET  
DETAILED SECTION B  
SCALE: 1:10 M



2  
A-10/A-10  
LABORATORY. BUILT-IN CABINET  
DETAILED SECTION C  
SCALE: 1:10 M



3  
A-10/A-10  
LABORATORY. BUILT-IN CABINET  
DETAILED SECTION D  
SCALE: 1:10 M



<p><b>D 1</b></p> <p>SINGLE SWING TANGILE KD WOODEN SOLID PANEL DOOR WITH WOODEN LOUVERS IN SOLVENT-BASED WOOD STAIN MATTE FINISH WITH GA. 20 S.S. SUS 304 KICK &amp; PUSH PLATE IN SATIN FINISH WITH 38 MM Ø x 0.45 M S.S. SUS 304 PIPE IN HAIRLINE FINISH DOOR HANDLE (ALL HARDWARE SHALL BE STAINLESS STEEL SUS 304 AND UL LISTED)</p> <p>DIMENSIONS: 1000 MM x 2100 MM x 50 MM THK. (EXCLUDING JAMB)</p> <p>HARDWARES: LEVER TYPE LOCKSET; 4 - BALL BEARING BUTT HINGES; HEAVY DUTY DOOR CLOSER, FLOOR-MOUNTED DOOR STOPPER</p> <p>LOCATION: PWD TOILET</p> <p>NO. OF SETS: 1 SET</p> <p>JAMB: 50MM X 150MM TANGILE KD WOOD FRAME</p>		<p><b>D 2</b></p> <p>SINGLE SWING TANGILE KD WOODEN SOLID PANEL DOOR WITH WOODEN LOUVERS IN SOLVENT-BASED WOOD STAIN MATTE FINISH WITH GA. 20 STAINLESS STEEL SUS 304 SPLASH BOARD IN SATIN FINISH (ALL HARDWARE SHALL BE STAINLESS STEEL SUS 304 AND UL LISTED)</p> <p>DIMENSIONS: 800 MM x 2100 MM x 50 MM THK. (EXCLUDING JAMB)</p> <p>HARDWARES: LEVER TYPE LOCKSET; 4 - BALL BEARING BUTT HINGES; HEAVY DUTY DOOR CLOSER, FLOOR-MOUNTED DOOR STOPPER</p> <p>LOCATION: MALE TOILET</p> <p>NO. OF SETS: 1 SET</p> <p>JAMB: 50MM X 150MM TANGILE KD WOOD FRAME</p>		<p><b>D 3</b></p> <p>SINGLE SWING TANGILE KD WOODEN SOLID PANEL DOOR WITH WOODEN LOUVERS IN SOLVENT-BASED WOOD STAIN MATTE FINISH WITH GA. 20 STAINLESS STEEL SUS 304 SPLASH BOARD IN SATIN FINISH (ALL HARDWARE SHALL BE STAINLESS STEEL SUS 304 AND UL LISTED)</p> <p>DIMENSIONS: 600 MM x 2100 MM x 50 MM THK. (EXCLUDING JAMB)</p> <p>HARDWARES: LEVER TYPE LOCKSET; 4 - BALL BEARING BUTT HINGES; HEAVY DUTY DOOR CLOSER, FLOOR-MOUNTED DOOR STOPPER</p> <p>LOCATION: DRUG TEST TOILET</p> <p>NO. OF SETS: 1 SET</p> <p>JAMB: 50MM X 150MM TANGILE KD WOOD FRAME</p>		<p><b>D 4</b></p> <p>RELOCATION OF EXISTING GLASS DOOR (LABOR ONLY)</p> <p>DIMENSIONS: 900 MM x 2100 MM</p> <p>HARDWARES:</p> <p>LOCATION: DRUG TEST TOILET</p> <p>NO. OF SETS: 1 SET</p> <p>JAMB:</p>		<p><b>W 1</b></p> <p>6MM THK TEMPERED FROSTED GLASS SLIDING WINDOW ON POWDER COATED ALUMINUM FRAME (GA. 10) (COLOR OF GLASS &amp; FRAME: VERIFY ARCHITECT)</p> <p>DIMENSIONS: 600 MM x 1200 MM</p> <p>HARDWARES: BUILT-IN LOCK</p> <p>LOCATION: DRUG TEST TOILET</p> <p>NO. OF SETS: 1 SET</p> <p>JAMB: 50MM X 150MM POWDER COATED ALUMINUM FRAME</p>	
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CONSTRUCTION NOTES:

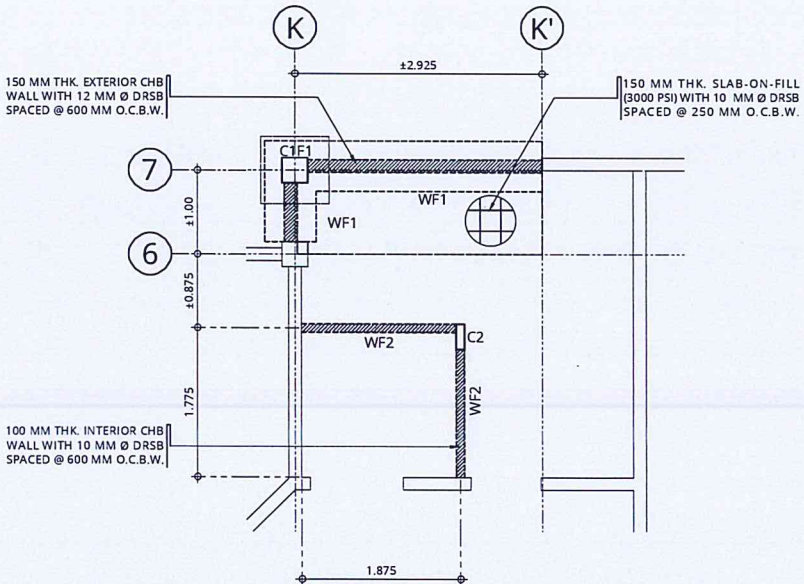
1.0 GENERAL NOTES:

- 1.1 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE, AND SHALL NOTIFY THE ENGINEER OF DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND INFORMATION SHOWN ON THE DRAWINGS BEFORE PROCEEDING WITH THE WORK. THIS SHALL INCLUDE THE LOCATION AND DIMENSIONS OF GROOVES, REGLETS, SLEEVES, CURBS, OPENINGS, EMBEDDED OR ATTACH ITEMS, ETC. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
- 1.2 ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS OR DETAILS. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- 1.3 THE CONTRACT, STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURES. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION UNLESS SO STATED. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEASURES TO PROTECT THE STRUCTURES, ADJACENT PROPERTIES, WORKMEN AND OTHER PERSONS DURING ALL PHASES OF CONSTRUCTION.
- 1.4 THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND/ OR THE PROJECT IN-CHARGE OF ANY CONDITION WHICH IN HIS OPINION MIGHT ENDANGER THE STABILITY OF THE STRUCTURES OR CAUSE DISTRESS IN THE STRUCTURES.
- 1.5 CONSTRUCTION MATERIALS SHALL NOT BE STORED ON POURED FLOORS. IT IS THE GENERAL CONTRACTOR RESPONSIBILITY TO ENSURE THAT THE SUB-CONTRACTOR'S ARE INFORMED AND DO NOT VIOLATE THIS IMPORTANT REQUIREMENTS.
- 1.6 THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AND SHORING FOR ALL THE STRUCTURAL MEMBERS AS REQUIRED FOR STRUCTURAL STABILITY DURING ALL PHASES OF CONSTRUCTION.
- 1.7 THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO ENSURE THE PROPER ALIGNMENT OF THE STRUCTURES AFTER THE INSTALLATION OF ALL STRUCTURAL AND FINISH MATERIALS.

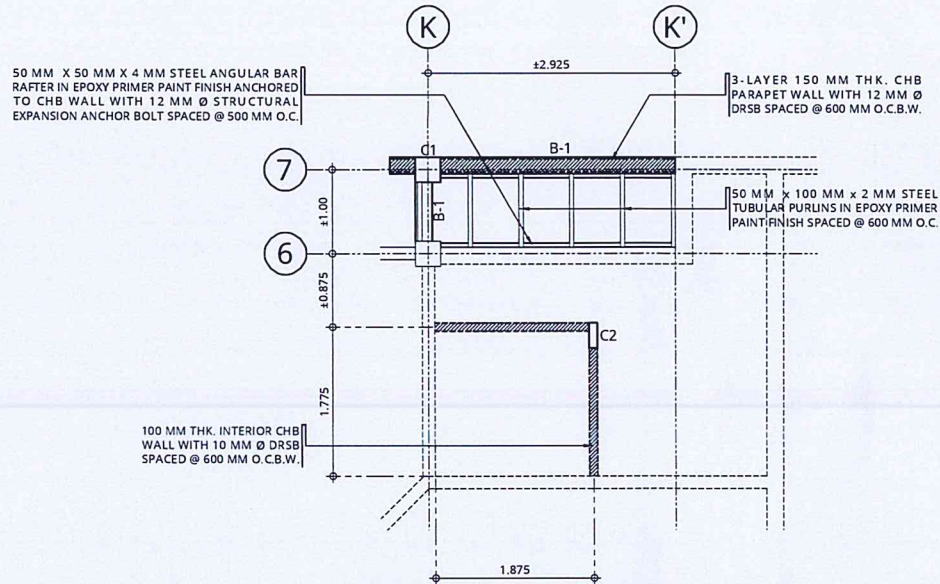
2.0 MATERIAL SPECIFICATION:

- 2.1 MIX DESIGN SHALL CONFORM TO ACI 211.1 & ACI 301. THE MINIMUM COMPRESSIVE STRENGTH SHALL BE:  
FC = 20.68 MPA (3,000 PSI) FOUNDATIONS, COLUMNS BEAMS AND SUSPENDED SLABS.  
FC = 20.68 MPA (3,000 PSI) SLAB ON FILL, GRADED SLABS.
- 2.2 CEMENT FOR THE CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR THE PORTLAND CEMENT" (ASTM C150, LATEST EDITION).
- FINE AGGREGATES: SHALL CONSIST OF NATURAL PORAC SAND. FINE AGGREGATES SHALL CONSIST OF HARD, TOUGH, DURABLE, UNCOATED PARTICLES. THE STIPULATED PERCENTAGE OF FINES IN THE SAND SHALL BE OBTAINED EITHER BY THE PROCESSING OF NATURAL SAND OR BY THE PRODUCTION OF A SUITABLY GRADED MANUFACTURED SAND.  
COARSE AGGREGATES: SHALL CONSIST OF CRUSHED GRAVEL OR ROCK, AS PER APPROVED BY THE STRUCTURAL ENGINEER. THE COARSE AGGREGATE, AS DELIVERED TO THE SITE SHALL HAVE A UNIFORM AND SUITABLE MOISTURE CONTENT.
- 2.3 WATER USED IN MIXING CONCRETE SHALL BE CLEAN AND FREE FROM INJURIOUS AMOUNTS OF OILS, ACIDS, SALTS, ALKALIS, ORGANIC MATERIALS OR OTHER SUBSTANCES DELETERIOUS TO CONCRETE OR STEEL.
- 2.4 ADMIXTURES TO BE USED IN CONCRETE SHALL BE SUBJECTED TO PRIOR APPROVAL OF THE STRUCTURAL ENGINEER.
- 2.5 THE CONCRETE SLAB ON FILL SHALL BE LAID ON A PREPARED FOUNDATION CONSISTING OF A SUB GRADE AND GRANULAR FILL WITH THICKNESS OF OVERLYING SLAB EXCEPT AS INDICATED OTHERWISE. SUB GRADE SHALL BE ROLLED, RAMMED AND TAMPED TO A THOROUGHLY COMPACTED FOUNDATION.
- 2.6 ALL CONCRETE SHALL DEPOSITED, VIBRATED AND CURED IN ACCORDANCE WITH ACI STANDARD 318-95.
- 2.7 CONCRETE COVER OVER REINFORCING BARS SHALL BE AS FOLLOWS:  
FOOTINGS AND BOTTOM OF FOOTING TIE BEAMS ----- 75MM (CAST AGAINST FORMS)  
BEAMS AND COLUMNS ----- 40MM (TO STIRRUPS AND TIES)  
WALLS AND SIDES OF FOOTING TIE BEAMS ----- 50MM (CAST AGAINST FORMS)

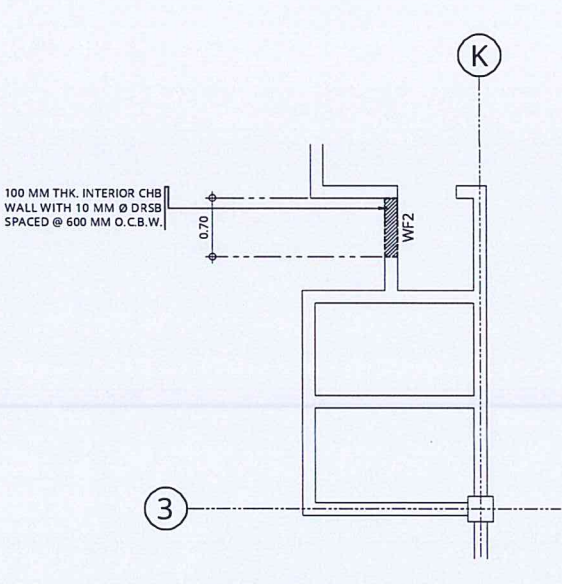
- 2.8 BEFORE CONCRETE IS POURED, CHECKED WITH ALL TRADES TO ENSURE PROPER PLACEMENT OF ALL OPENINGS, SLEEVES, CURBS, CONDUITS, ETC. RELATIVE TO THE WORK.
- 2.9 UNLESS OTHERWISE SPECIFIED ON PLANS, ALL REINFORCING BARS SHALL BE DEFORMED CONFORMING TO ASTM A706 WITH A MINIMUM YIELD STRENGTH OF REINFORCEMENT SHALL BE ENUMERATED BELOW:  
FOOTINGS/ FOOTING TIE BEAMS ----- FY = 40,000 PSI  
COLUMNS/ BEAMS ----- FY = 40,000 PSI  
SLABS (ON GRADE AND SUSPENDED) ----- FY = 40,000 PSI
- 2.10 ALL REINFORCING BARS SHALL BE CLEAN OF RUST, GREASE OR OTHER MATERIALS WHICH TEND TO IMPAIR BOND.
- 2.11 UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIFICATIONS, CAMBER ALL R.C. BEAMS AT LEAST 6MM FOR EVERY 4.5M OF SPAN EXCEPT CANTILEVERS WHICH SHALL 18MM FOR EVERY 3M OF SPAN. IF THERE ARE TWO (2) OR MORE LAYERS OF REINFORCING BARS, USE 25MM DIAMETER SEPARATORS SPACED AT 900MM O.C., TOP BARS SPLICES SHALL BE LOCATED AT MIDSPAN AND BOTH BAR SPLICES AT COLUMN SUPPORTS.
- 2.12 ALL REINFORCING BARS SHALL BE ACCURATELY AND SECURELY PLACED BEFORE POURING CONCRETE OR APPLYING MORTAR OR GROUT.
- 2.13 UNLESS INDICATED OTHERWISE, ALL BEAMS TERMINATING AT THE COLUMN SHALL HAVE TOP AND BOTTOM BARS EXTENDING TO THE FAR FACE OF THE COLUMN TERMINATING IN A STANDARD 90 DEGREES HOOK LENGTH OF ANCHORAGE NOT LESS THAN 600MM.
- 2.14 LAPPED SPLICES SHALL BE STAGGERED WHERE POSSIBLE.
- 2.15 UNLESS INDICATED OTHERWISE, SPlicing OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH ACI 318-95, EXCEPT THAT THE MINIMUM LAP SPlice SHALL BE 40 BAR DIAMETER BUT NOT LESS THAN 600MM.
- 2.16 VERTICAL AND HORIZONTAL REINFORCEMENTS FOR CHB SHALL BE 10MM Ø AT 600MM FOR ALL WALL THICKNESS. LAP SPLICES SHALL BE 300MM LONG (MINIMUM).
- 2.17 WHERE CHB WALLS ADJOIN COLUMNS AND BEAMS, PROVIDE DOWELS ON R.C. COLUMNS AND BEAMS PRIOR TO POURING TO MATCH CHB WALL REINFORCEMENT. THE DOWELS SHALL BE 12MM BARS AT 400MM O.C., UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
- 2.18 WHERE COLUMNS AND BEAMS HAVE BEEN POURED WITHOUT THE CHB WALL DOWELS, PROVIDE 16MM Ø EXPANSION BOLTS AT 400MM O.C. THESE ANCHORS SHALL BE DRILLED AND HAMMERED IN PLACE. NO CHIPPING OFF OF CONCRETE COLUMNS AND BEAMS IS ALLOWED UNLESS OTHERWISE PERMITTED BY THE STRUCTURAL ENGINEER.
- 2.19 WELDING ELECTRODES AND RODS, CONFORMED TO AWS D1.1.
- LAP WELDED SPlice WHEN USED, SHALL DEVELOP A RESISTANCE EQUAL TO AT LEAST 125% OF THE TENSILE CAPACITY OF THE BAR BEING SPliced.
- BUTT WELDED SPlice WHEN USED, SHALL BE CONSIDERED 75% EFFICIENT. THE REMAINING 50% CAPACITY TO DEVELOP 125% OF THE TENSILE CAPACITY OF THE BAR SHALL BE PROVIDED FOR BY AN ADDITIONAL WELDED LAP SPlice CONNECTION ON THE SAME JOINT.
- DETAILS OF ALL WELDED SPLICES SHALL BE SUBMITTED BY THE CONTRACTOR FOR APPROVAL BY THE STRUCTURAL ENGINEER. ONLY CERTIFIED WELDERS SHALL BE ALLOWED TO PERFORM WELDING OPERATIONS. THESE WELDERS SHALL SUBJECT TO THE APPROVAL OF THE PROJECT MANAGER.
- 2.20 SHOP PAINT STRUCTURAL STEEL, EXCEPT AS MODIFIED HEREIN. DO NOT PAINT STEEL SURFACES EMBEDDED IN CONCRETE, GALVANIZED SURFACES, OR SURFACES WITHIN ½" OF THE TOE OF THE WELDS PRIOR TO WELDING. PRIOR TO ASSEMBLY, PAINT SURFACES WHICH WILL BE CONCEALED OR INACCESSIBLE AFTER ASSEMBLY. DO NOT PAINT IN FOGGY OR RAINY WEATHER; WHEN THE AMBIENT TEMPERATURE IS BELOW 45 DEG F OR OVER 95 DEG F; OR WHEN PAINT MAY BE EXPOSED TO TEMPERATURES BELOW 40 DEG F WITHIN 48 HOURS AFTER APPLICATION, UNLESS APPROVED OTHERWISE.
- SSPC SP 6, EXCEPT AS MODIFIED HEREIN. SSPC SP 3 OR SP 6 FOR STEEL SURFACES EXPOSED IN SPACES ABOVE CEILINGS, ATTIC SPACES, CRAWL SPACES, FURRED SPACES AND CHASES. IN ADDITION, MAINTAIN STEEL SURFACES FREE FROM RUST, DIRT, OIL, GREASE AND OTHER CONTAMINANTS THROUGH FINAL ASSEMBLY.
- IMMEDIATELY AFTER CLEANING, PROVIDE THE METAL SURFACES WITH ONE COAT OF MIL SPEC DOD - P - 15328 PRETREATMENT TO A DRY FILM THICKNESS OF 0.3 TO 0.5 MIL FED SPEC TT - C - 490 PRETREATMENT MAY BE APPLIED TO SSPC SP 6 CLEANED SURFACES IN ACCORDANCE WITH FED SPEC TT - C - 490.
- IMMEDIATELY AFTER THE PRETREATMENT COATING HAS DRIED, APPLY PRIMER TO A MINIMUM DRY FILM THICKNESS OF 2.0 MIL. REPAIR DAMAGED PRIMED SURFACES WITH AN ADDITIONAL COAT PRIMER.





1 MALE TOILET FOUNDATION PLAN SCALE: 1:50 M



2 MALE TOILET ROOF FRAMING PLAN SCALE: 1:50 M



3 LABORATORY FOUNDATION PLAN SCALE: 1:50 M



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

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PROJECT:  
IMPROVEMENT OF OFSAM LABORATORY

LOCATION:  
CAAP HEAD OFFICE  
NAIA ROAD, PASAY CITY

SHEET CONTENTS:  
• GENERAL NOTES  
• FOUNDATION PLAN

DRAWING SCALE:	SHEET NO:
AS SHOWN	S-1



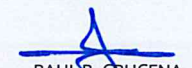
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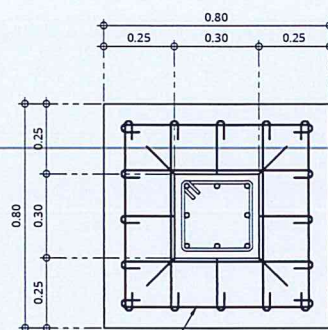
LOCATION:

CAAP HEAD OFFICE  
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

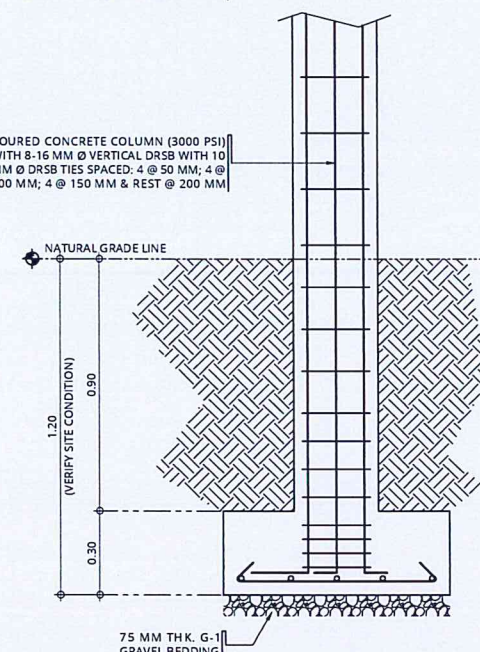
- COLUMN FOOTING DETAILS
- BEAM DETAILS
- ROOFING DETAILS

DRAWING SCALE:	SHEET NO.
AS SHOWN	S-2



POURED CONCRETE COLUMN FOOTING (3000 PSI) WITH 5-16 MM Ø DRSB SPACED @ 163 MM O.C.B.W.

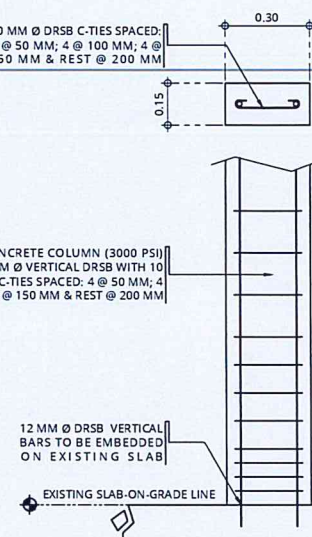
POURED CONCRETE COLUMN (3000 PSI) WITH 8-16 MM Ø VERTICAL DRSB WITH 10 MM Ø DRSB TIES SPACED: 4 @ 50 MM; 4 @ 100 MM; 4 @ 150 MM & REST @ 200 MM



**1 C1F1 DETAILS**  
S-1 S-2 SCALE: 1:15 M

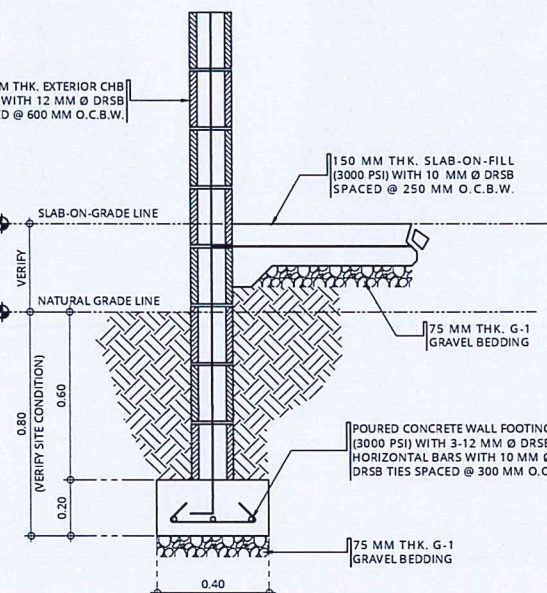
10 MM Ø DRSB C-TIES SPACED: 4 @ 50 MM; 4 @ 100 MM; 4 @ 150 MM & REST @ 200 MM

POURED CONCRETE COLUMN (3000 PSI) WITH 2-12 MM Ø VERTICAL DRSB WITH 10 MM Ø DRSB C-TIES SPACED: 4 @ 50 MM; 4 @ 100 MM; 4 @ 150 MM & REST @ 200 MM



**2 C2 DETAILS**  
S-1 S-2 SCALE: 1:15 M

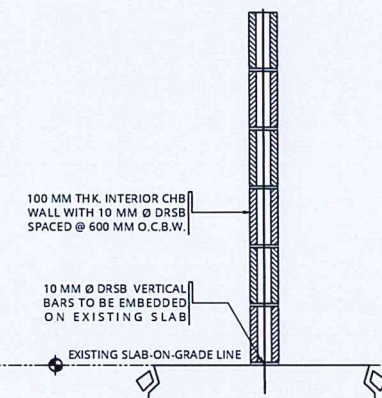
150 MM THK. EXTERIOR CHB WALL WITH 12 MM Ø DRSB SPACED @ 600 MM O.C.B.W.



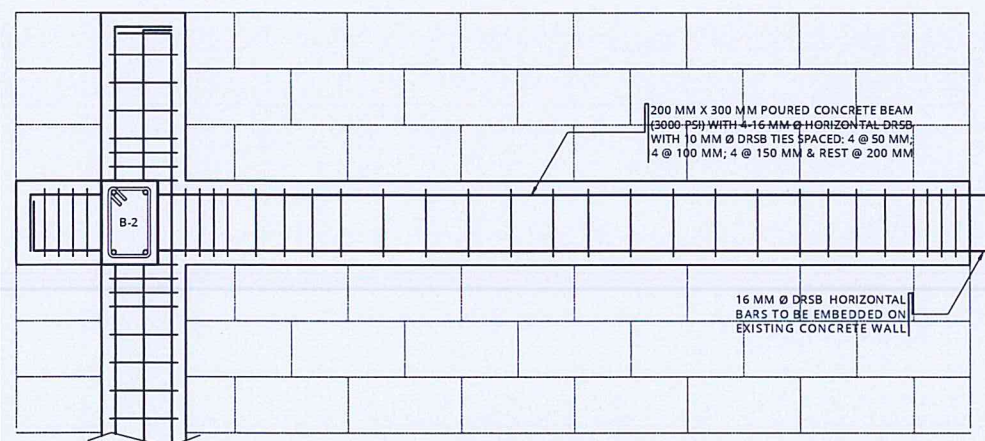
**3 WF1 DETAILS**  
S-1 S-2 SCALE: 1:15 M

100 MM THK. INTERIOR CHB WALL WITH 10 MM Ø DRSB SPACED @ 600 MM O.C.B.W.

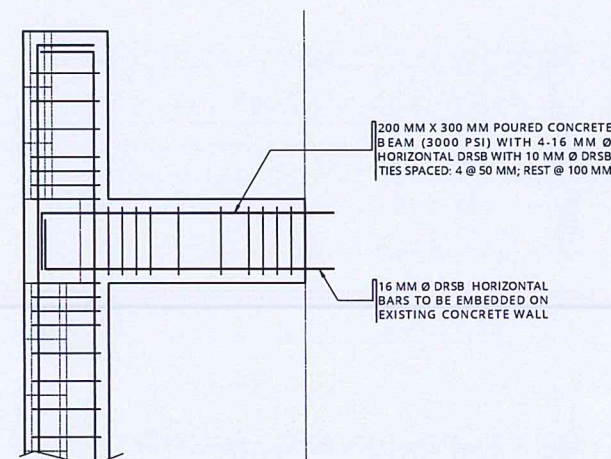
10 MM Ø DRSB VERTICAL BARS TO BE EMBEDDED ON EXISTING SLAB



**4 WF2 DETAILS**  
S-1 S-2 SCALE: 1:15 M



**5 B-1 DETAILS**  
S-1 S-2 SCALE: 1:15 M

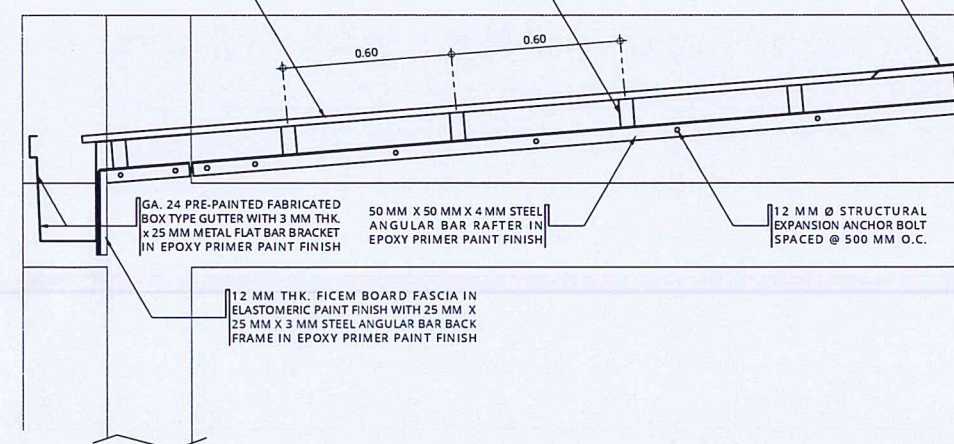


**6 B-2 DETAILS**  
S-1 S-2 SCALE: 1:15 M

GA. 24 PRE-Painted TWIN RIB ROOFING SHEET WITH 12 MM THK. DOUBLE SIDED FOIL P.E. FOAM INSULATION

50 MM x 100 MM x 2 MM STEEL TUBULAR PURLINS IN EPOXY PRIMER PAINT FINISH

GA. 24 PRE Painted FABRICATED WALL FLASHING WITH REGLET ON WALL

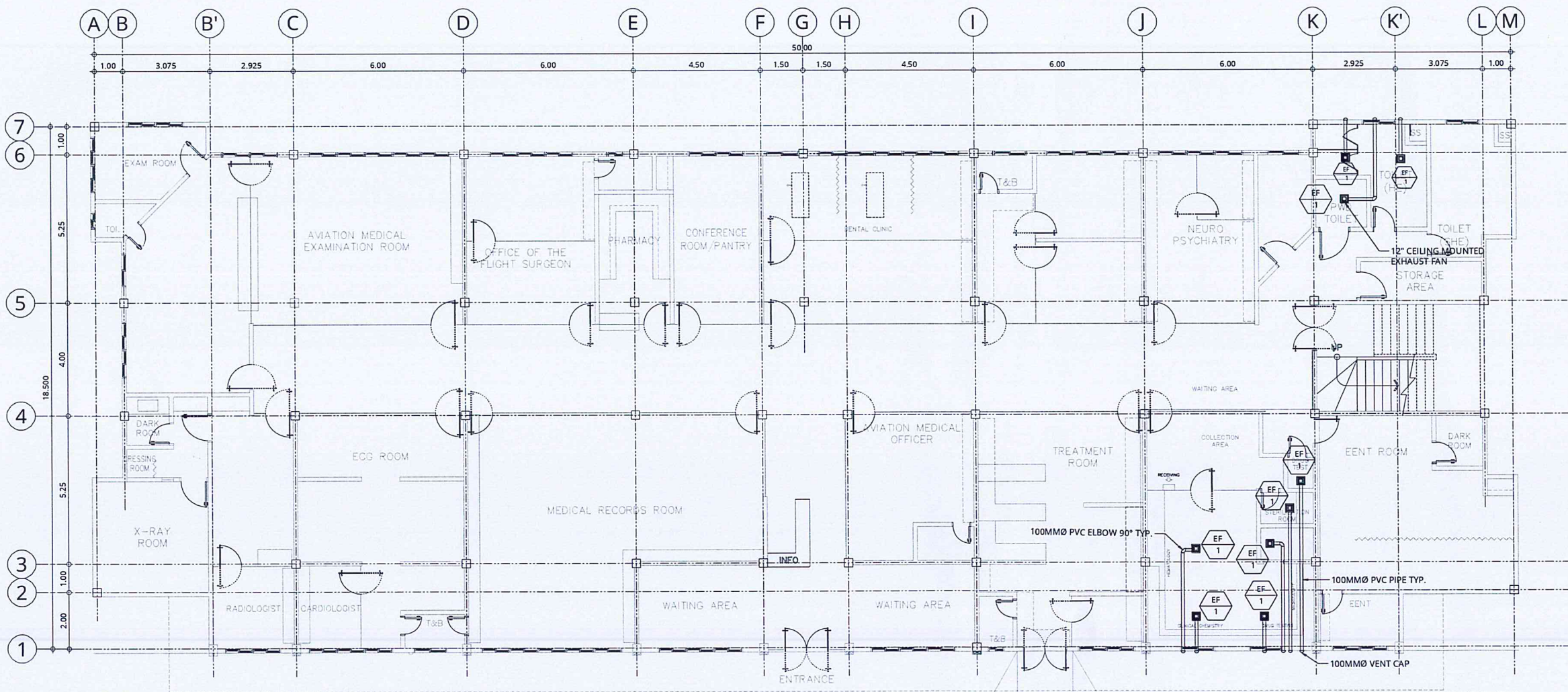


**7 ROOFING DETAILS**  
S-1 S-2 SCALE: 1:15 M



EXHAUST FAN

MARK	QTY.	TYPE / SIZE	ELECTRICAL DATA			RATED CAPACITY CFM	REMARKS
			V	PH	HZ		
EF 1	9	CEILING CASSETTE TYPE EXHAUST FAN / 12"	220-240	1	60	565	UNIT SHALL BE COMPLETE WITH ITS FITTINGS AND ACCESSORIES



1  
M-1  
OFSAM LABORATORY  
GROUND FLOOR VENTILATION LAYOUT  
SCALE: 1:100 M

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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PROJECT:  
IMPROVEMENT OF  
OFSAM LABORATORY

LOCATION:  
CAAP HEAD OFFICE  
NAIA ROAD, PASAY CITY

SHEET CONTENTS:  
• LABORATORY & TOILET  
VENTILATION LAYOUT  
PLAN

DRAWING SCALE:	SHEET NO:
AS SHOWN	M-1



GENERAL NOTES & SPECIFICATIONS:

1. ALL ELECTRICAL WORKS AND INSTALLATIONS SHALL COMPLY WITH THE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE WITH THE RULES AND REGULATIONS OF THE NATIONAL AND LOCAL AUTHORITIES CONCERNED IN THE ENFORCEMENT OF ELECTRICAL LAWS AND REGULATIONS OF THE UTILITY COMPANIES CONCERNED.
2. ALL ELECTRICAL WORKS HEREIN SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY LICENSED ELECTRICAL ENGINEER..
3. GENERAL USED RECEPTACLE SHALL BE RATED 16 AMPERES, 2 POLE, 250 VOLTS, UNIVERSAL TYPE WITH GROUND WITH PARALLEL SLOTS, SPECIAL PURPOSE OUTLET SHALL BE OF THE TYPE AND RATING INSULATED FOR RATING SUITED FOR THE EQUIPMENT SERVED.
4. ALL ELECTRICAL EQUIPMENT SHALL BE PROPERLY GROUNDED IN ACCORDANCE WITH THE REQUIREMENT OF THE PHILIPPINE ELECTRICAL CODE.
5. ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND OF THE APPROVED TYPE FOR BOTH LOCATION AND PURPOSE INTENDED.
6. ELECTRICAL PIPES, WIRES AND CABLES TO BE USED SHALL BE UNDERWRITERS LABORATORY (UL) LISTED. USE 2-3.5mm<sup>2</sup> + 1-3.5mm<sup>2</sup>(GROUND) THHN/THWN-2 COPPER WIRE IN 20mm DIAMETER EMT CONDUIT FOR EVERY BRANCH CIRCUIT.
7. ALL WORKS SHALL BE EXECUTED IN A WORKMANSHIP MANNER AND SHALL PRESENT A NEAT AND ORDERLY ACCEPTANCE. ALL WIRING SHALL BE CONCEALED AS MUCH AS POSSIBLE.

LEGEND



40 WATTS 220V-240V 4000 LUMEN, 6500K, 0.60m X 0.60m RECESSED TYPE LED PANEL LIGHT, MERCURY FREE, LED DRIVER INCLUDED WITH INSTALLATION ACCESSORIES, FCC, CE, AND RoHS COMPLIANT; LETTER DENOTES CONTROL/SWITCH.



12 WATTS 220V-240V 1200 LUMEN RECESSED TYPE LED SQUARE DOWNLIGHT, LAMP AND DRIVER IN ONE ASSEMBLY, MOLDED PLASTIC LAMP CASING, MATTE WHITE FINISH, FCC, CE, AND RoHS COMPLIANT; LETTER DENOTES CONTROL/SWITCH.



14 WATTS, 1400 LUMEN, 0.90m T5 SLIM SURFACE MOUNTED LIGHTING FIXTURE WITH INSTALLATION ACCESSORIES AND CONNECTING CABLES, FCC, CE, AND RoHS COMPLIANT; LETTER DENOTES CONTROL/SWITCH.



DUPLEX UNIVERSAL OUTLET WITH GROUND, 16A, 250V, WIDE SERIES WITH MOUNTING AND DEVICE PLATE COVER



ONE-GANG SWITCH, 16A, 250V, WIDE SERIES WITH MOUNTING STRAP AND DEVICE PLATE COVER; LETTER INDICATES LIGHT BEING CONTROLLED



TWO-GANG SWITCH, 16A, 250V, WIDE SERIES WITH MOUNTING STRAP AND DEVICE PLATE COVER; LETTER INDICATES LIGHT BEING CONTROLLED



THREE-GANG SWITCH, 16A, 250V, WIDE SERIES WITH MOUNTING STRAP AND DEVICE PLATE COVER; LETTER INDICATES LIGHT BEING CONTROLLED

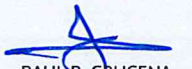
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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE


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IMPROVEMENT OF OFSAM LABORATORY

LOCATION:

CAAP HEAD OFFICE  
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

- GENERAL NOTES & SPECIFICATIONS
- LEGEND

DRAWING SCALE:	SHEET NO:
AS SHOWN	E-1

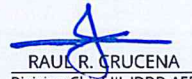



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

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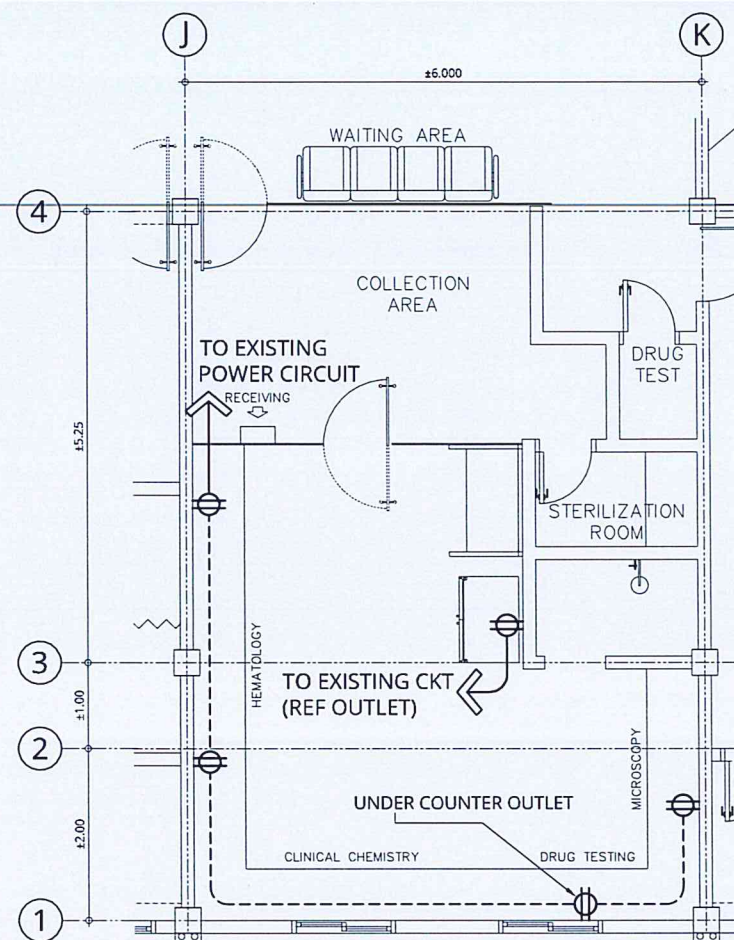
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PROJECT:  
 IMPROVEMENT OF OFSAM LABORATORY

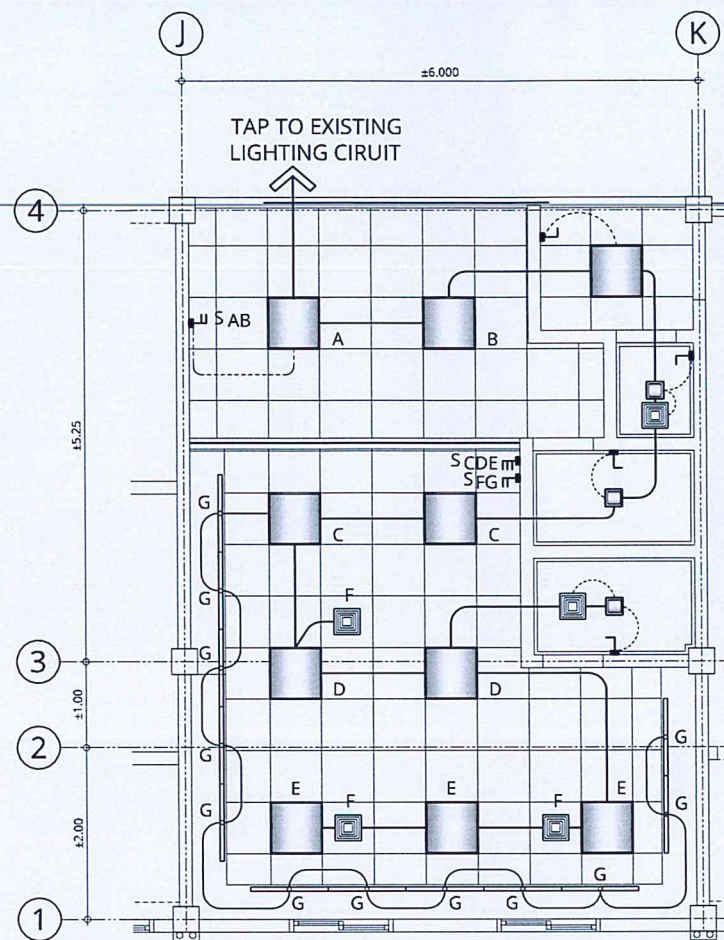
LOCATION:  
 CAAP HEAD OFFICE  
 NAIA ROAD, PASAY CITY

SHEET CONTENTS:  
 • LABORATORY POWER LAYOUT PLAN  
 • LABORATORY & TOILET LIGHTING LAYOUT PLAN

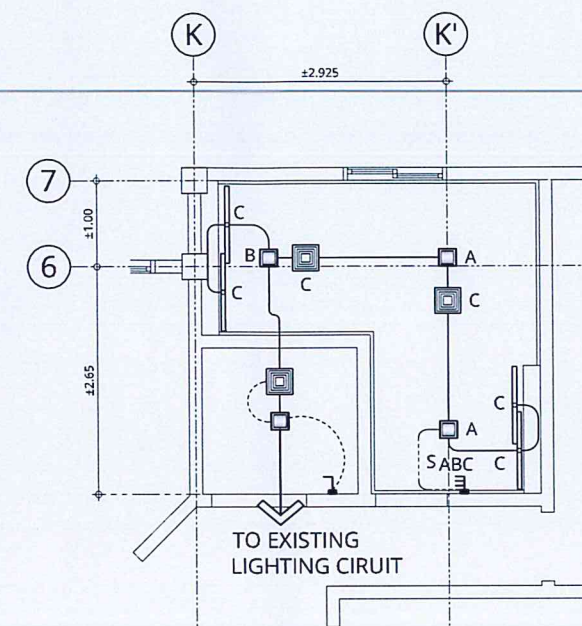
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 SHEET NO: E-2



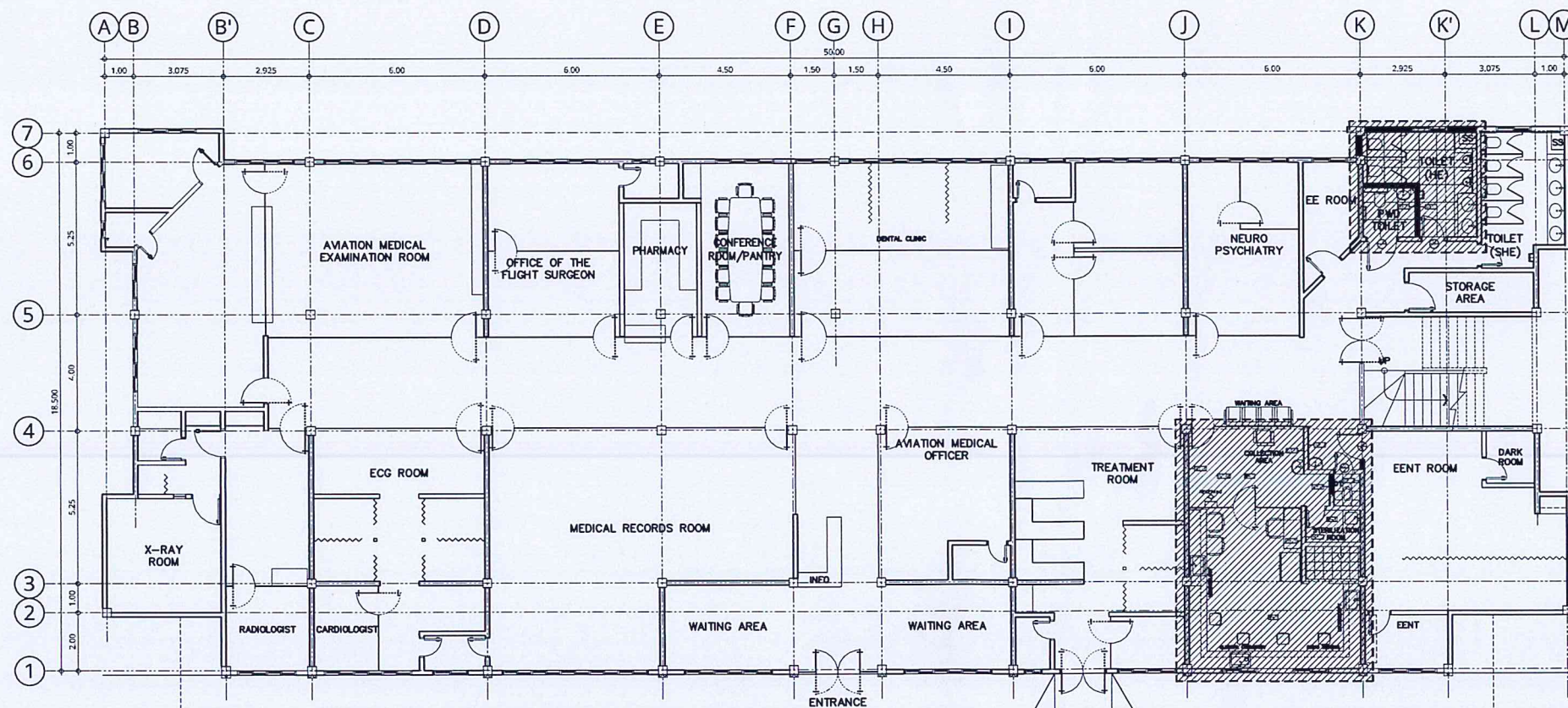
1  
 E-2 E-2  
 LABORATORY POWER LAYOUT PLAN  
 SCALE: 1:50 M



2  
 E-2 E-2  
 LABORATORY LIGHTING LAYOUT PLAN  
 SCALE: 1:50 M



3  
 E-2 E-2  
 MALE TOILET LIGHTING LAYOUT PLAN  
 SCALE: 1:50 M



4  
 E-3 E-3  
 KEY PLAN  
 SCALE: 1:125 M





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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

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NAIA ROAD, PASAY CITY

SHEET CONTENTS:  
PLUMBING GENERAL NOTES

DRAWING SCALE: AS SHOWN  
SHEET NO: P-1

## GENERAL NOTES:

- ALL PLUMBING WORKS INCLUDED HEREIN SHALL BE EXECUTED IN ACCORDANCE TO THE LATEST PROVISIONS OF THE NATIONAL PLUMBING CODE OF THE PHILIPPINES.
- IT IS NOT INTENDED THAT THE DRAWINGS SHALL SHOW EVERY PIPE FITTING, VALVE AND APPURTENANCE. ALL SUCH ITEMS WHETHER SPECIFICALLY MENTIONED OR NOT, OR INDICATED ON THE DRAWINGS SHALL BE FURNISHED AND INSTALLED IF NECESSARY TO COMPLETE THE SYSTEM.
- ALL CHANGES IN DIRECTION SHALL BE MADE BY APPROPRIATE USE OF FOURTY FIVE DEGREES (45°) WYES, LONG SWEEP, QUARTER BEND, SIXTH-EIGHT OR SIXTEENTH BENDS. WHEN THE CHANGE OF FLOW IS FROM HORIZONTAL TO VERTICAL A SINGLE 1/8 BEND COMBINATION USED ON VERTICAL STACKS AND SHORT QUARTER BENDS MAYBE USED ON WASTELINE, TEE AND CROSSES MAYBE USED IN VENT PIPES.
- NO DOUBLE HUB OR TEE BRANCH SHALL BE USED ON HORIZONTAL SOIL OR WASTE LINES, THE DRILLINGS AND TAPPING OF HOUSE DRAIN, WASTE OR VENT PIPES AND USED OF SADDLE HUB AND BEND ARE PROHIBITED.
- PIPE CLEANOUTS ARE REQUIRED UNDER THE FOLLOWING CONDITIONS:
  - EVERY CHANGE IN HORIZONTAL DIRECTIONS EXCEEDING TWENTY TWO AND ONE HALF DEGREES (22½°).
  - ONE AND ONE HALF METERS (1.50m) INSIDE THE PROPERTY LINE BEFORE THE HOUSE DRAINAGE CONNECTION.
  - EVERY FIFTEEN METERS (15m) IN HORIZONTAL RUN OF PIPES.
  - AT THE END OF ANY HORIZONTAL PIPE LINES.
- NOT LESS THAN 0.30m OF AIR SPACE MUST BE LEFT BETWEEN THE TOP OF SEWAGE AND THE UNDER PART OF THE VAULT ROOF SLAB.
- NO SEPTIC VAULT SHALL BE CONSTRUCTED UNDER THE BUILDING.
- COORDINATE THE DRAWING WITH OTHER RELATED DRAWINGS AND SPECIFICATION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND THEREIN.
- ALL PIPES SHALL BE INSTALLED AS INDICATED ON PLANS, ANY RELOCATIONS REQUIRED FOR PROPER EXECUTION OF OTHER TRADE SHALL BE WITH PRIOR APPROVAL OF THE ARCHITECT OR ENGINEER.
- PROPOSED SANITARY UTILITIES SHALL CONFORM TO THE ACTUAL LOCATION, DEPTH AND INVERT ELEVATION OF ALL EXISTING PIPES AND STRUCTURES AS VERIFIED BY THE CONTRACTOR.
- ALL SLOPES FOR HORIZONTAL DRAINAGE SHALL MAINTAIN 1% UNLESS OTHERWISE SPECIFIED.
- SIZE OF WATER SUPPLY PIPES TO FIXTURES SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AT THE SITE, COORDINATE THE WORKS WITH THE SEWER LINE EFFLUENT DISPOSAL POINT AND WATER LINE SERVICE CONNECTING POINT, UNLESS OTHERWISE SPECIFIED.
- ALL FIXTURES SHALL BE INDIVIDUALLY VENTED.
- THE INVERT OF THE INLET PIPE OF A SEPTIC TANK SHALL BE AT A LEVEL NOT LESS THAN 50.8mm (2") ABOVE THE INVERT OF THE OUTLET PIPE.
- TO PREVENT CONTAMINATION OF UNDERGROUND WATER SOURCE NO SEPTIC TANK SHALL BE CONSTRUCTED LESS THAN 1.20m ABOVE THE WATER TABLE LEVEL.
- ALL PLUMBING INSTALLATION INCLUDED HEREIN SHALL BE UNDER THE DIRECT SUPERVISION OF A DULY REGISTERED AND LICENSED MASTER PLUMBER.

### LEGEND - CALLOUTS

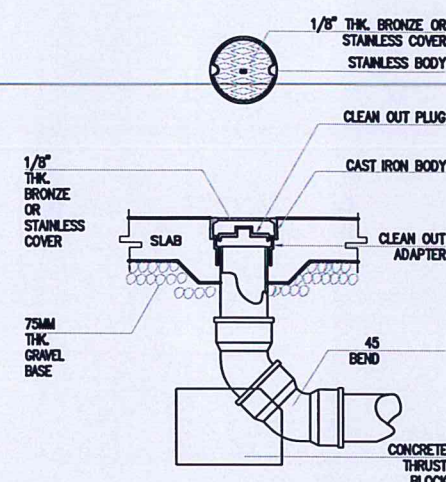
WP - WASTE PIPE  
CO - CLEANOUT  
FD - FLOOR DRAIN  
WC - WATER CLOSET  
BS - BIDET SPRAY  
LAV - LAVATORY  
SHO - EMERGENCY SHOWER  
FAU - FAUCET  
SINK - CLINICAL SINK  
DUR - DRY URINAL

### LEGEND: WATERLINE SYSTEM

— EXISTING WATERLINE SYSTEM  
- - - EXISTING 1"Ø WATERLINE LINE SYSTEM  
— FIXTURE PPR PIPE, PN 20  
- - - 1/2"Ø WATERLINE PPR PIPE, PN 20

### LEGEND: SEWER SYSTEM

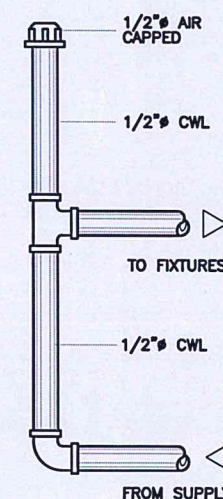
— EXISTING SEWER LINE  
- - - EXISTING 2"Ø VENT SYSTEM  
— 4"Ø UPVC WASTE PIPE, SERIES 1000  
- - - 2"Ø PVC VENT PIPE  
— 2"Ø UPVC WASTE PIPE, SERIES 1000



1 CLEAN OUT DETAILS  
SCALE: 1:50 M

### CLEAN-OUT TABLE OF DIMENSIONS

	COVER		BODY		
	A	B	A'	B'	C'
2"Ø	2 1/8"	1/8"	2 5/8"	1 1/2"	2 1/4"
3"Ø	3 1/8"	1/8"	3 5/8"	1 1/2"	3 1/4"
4"Ø	4 1/8"	1/8"	4 5/8"	1 1/2"	4 1/4"



2 AIR CHAMBER DETAIL  
SCALE: 1:50 M

90° ELBOW

TEE

45° ELBOW

WYE

CLEAN OUT

P-TRAP

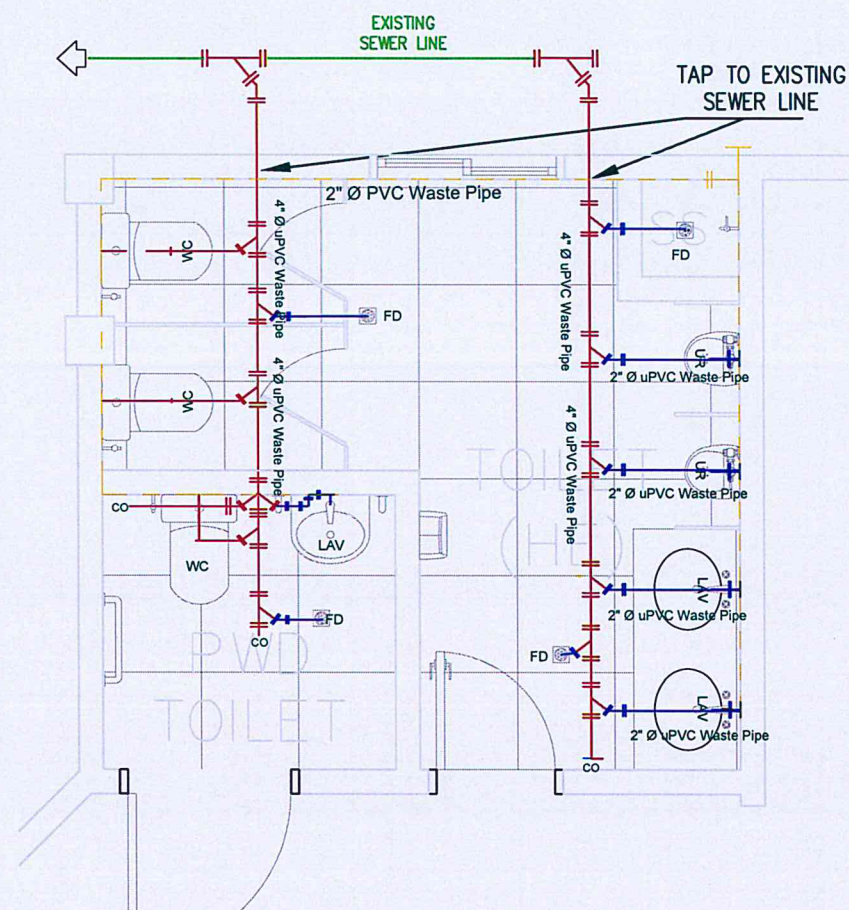
CAP

WATER CLOSET

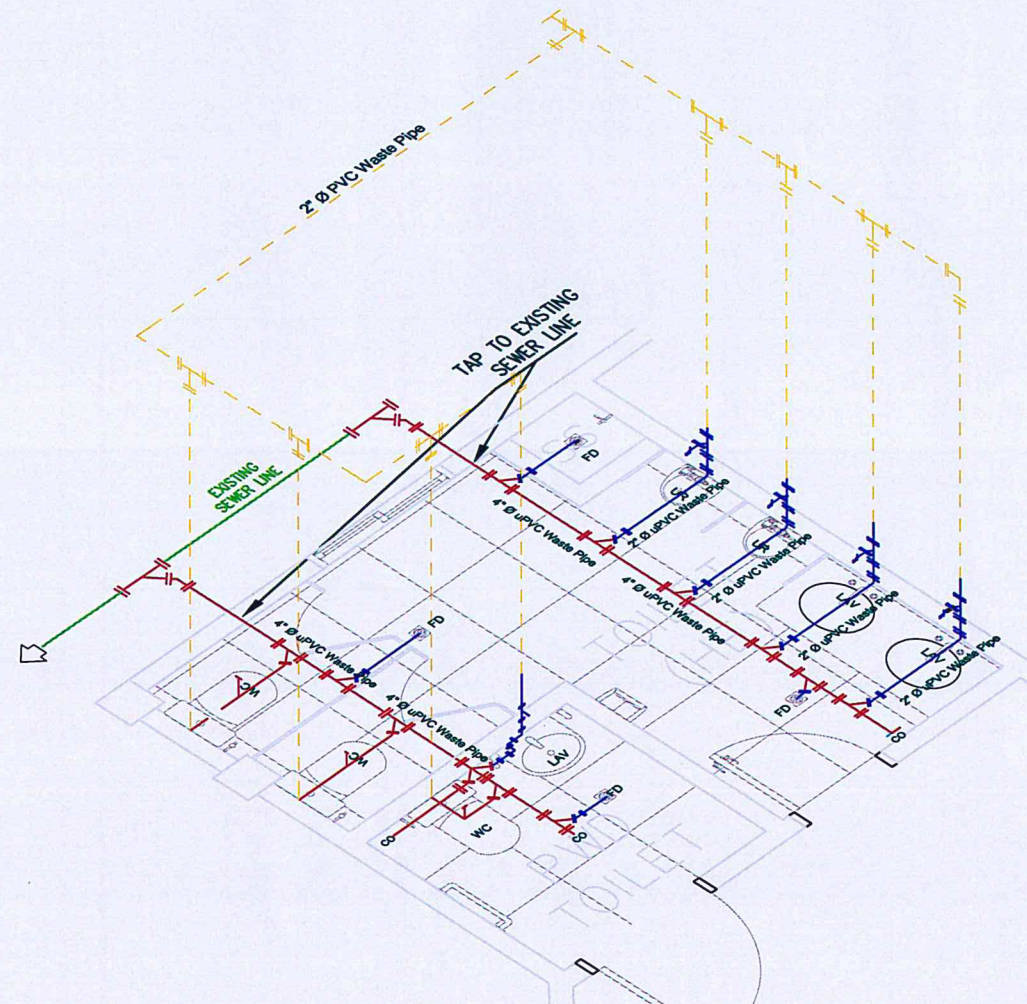
VENT

LAVATORY; FLOOR DRAIN





3  
P-2 P-5  
SCALE: 1:25 M  
SOIL PIPE @ MALE TOILET  
**SANITARY LAYOUT PLAN**



4  
P-2 P-5  
SCALE: 1:25 M  
SOIL PIPE @ MALE TOILET  
**ISOMETRIC LAYOUT**



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF: INITIAL / DATE

DESIGNED BY: CVLS

DRAWN BY: CVLS

CHECKED BY:

REVIEWED BY:

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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:

LT GEN RAUL L DEL ROSARIO AFP (RET)  
Director General

NOTES/REVISIONS:

PROJECT:

IMPROVEMENT OF OFSAM LABORATORY

LOCATION:

CAAP HEAD OFFICE  
NAIA ROAD, PASAY CITY

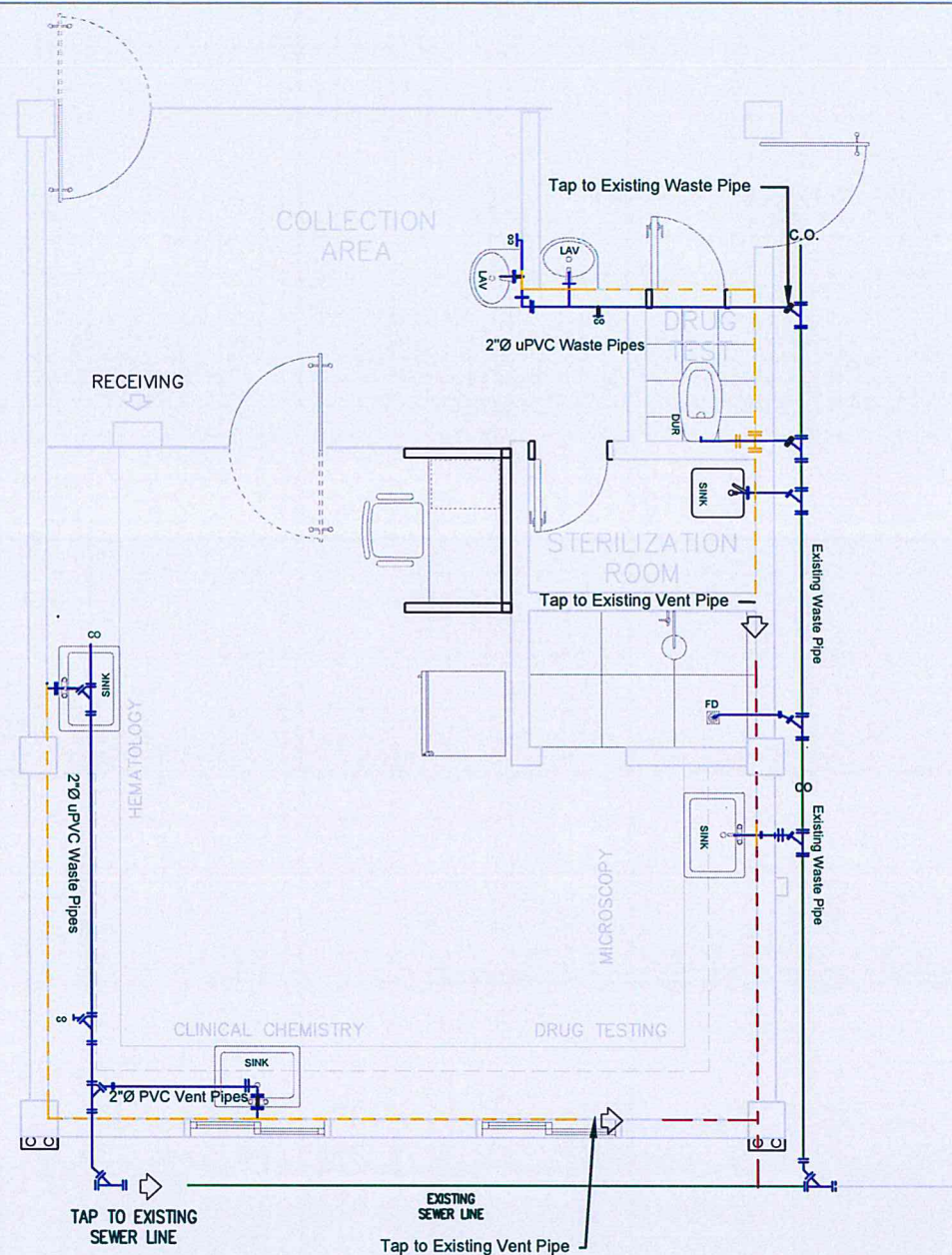
SHEET CONTENTS:

SANITARY LAYOUT  
PLAN - MALE TOILET

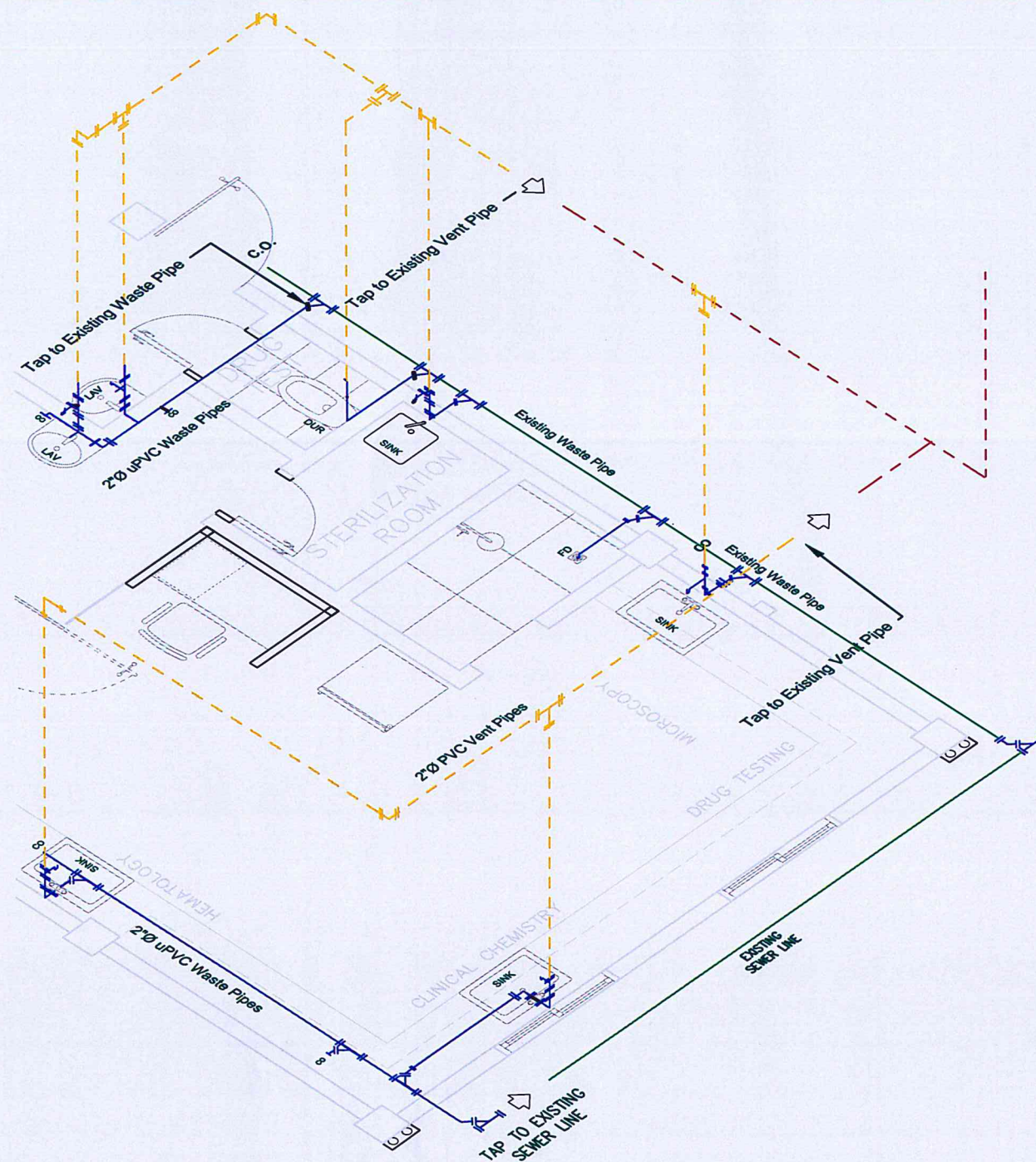
DRAWING SCALE: SHEET NO:

AS SHOWN P2





SOIL PIPE @ CLINIC  
**5**  
 P-3 P-5  
 SCALE: 1:25 M  
**SANITARY LAYOUT PLAN**



SOIL PIPE @ CLINIC  
**6**  
 P-3 P-5  
 SCALE: 1:25 M  
**ISOMETRIC LAYOUT**



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NOTES/REVISIONS:

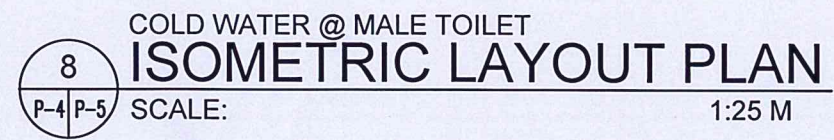
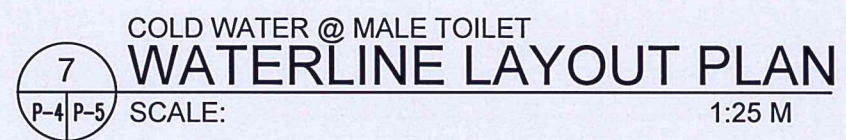
PROJECT:  
 IMPROVEMENT OF OFSAM LABORATORY

LOCATION:  
 CAAP HEAD OFFICE  
 NAIA ROAD, PASAY CITY

SHEET CONTENTS:  
 SANITARY LAYOUT  
 PLAN - CLINIC

DRAWING SCALE:	SHEET NO:
AS SHOWN	P3









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Director General

NOTES/REVISIONS:


PROJECT:

IMPROVEMENT OF  
OFSAM LABORATORY

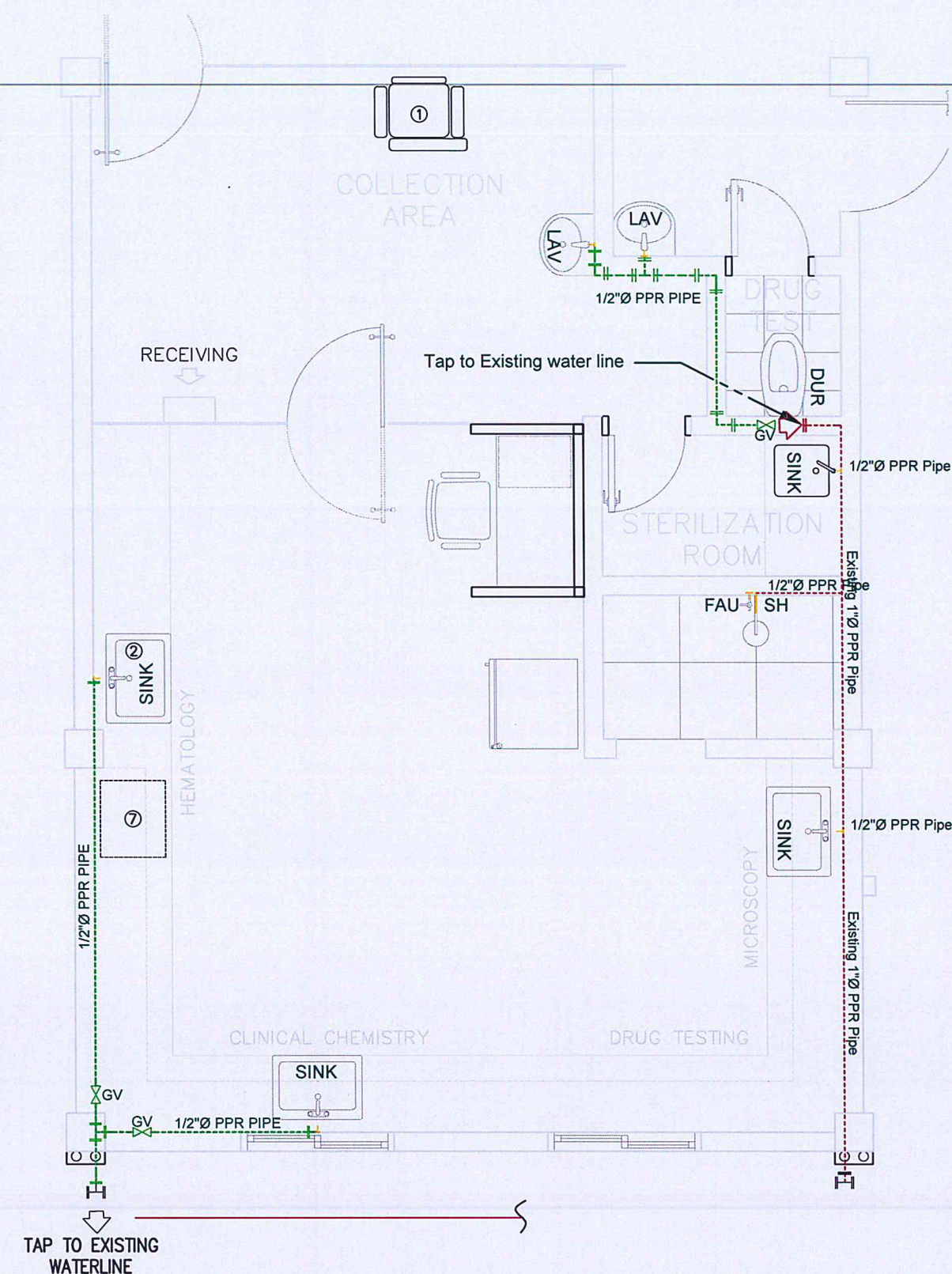
LOCATION:

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NAIA ROAD, PASAY CITY

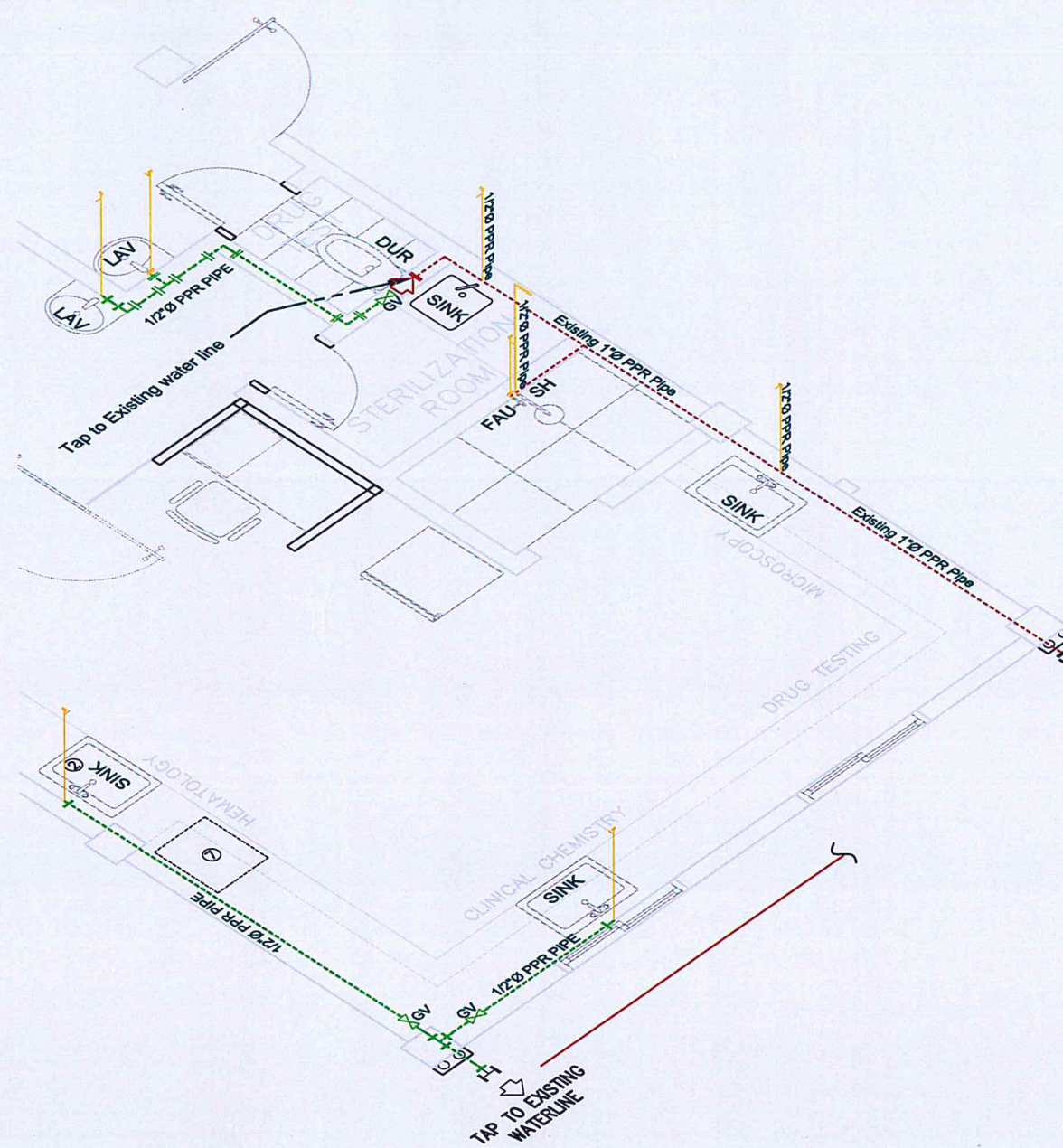
SHEET CONTENTS:

WATERLINE LAYOUT  
PLAN - CLINIC

DRAWING SCALE:	SHEET NO:
AS SHOWN	P5



9 COLDWATER @ CLINIC  
WATERLINE LAYOUT PLAN  
SCALE: 1:25 M



10 COLD WATER @ CLINIC  
ISOMETRIC LAYOUT PLAN  
SCALE: 1:25 M