

Bid Bulletin No. 3

"Supply and Delivery of Labor and Materials, and Provision of Service for the Rehabilitation of Testing Laboratory and Warehouse of the Bureau of Philippine Standards" Bidding No. 21-009

April 11, 2021

This Bid Bulletin No. 3 is hereby issued to modify or amend the Bidding Documents.

Section VII. Technical Specifications

- 1. The renovation must be supervised or monitored by a Project Engineer (PE) or Project Manager;
- 2. Temporary facility for the contractor is allowed;
- 3. The foreman and below level shall be staying in at the project site;
- 4. The electrical and water shall be billed by BPSTL and the Contractor shall provide the sub meter;
- 5. The contract shall only use BPS certified materials/supplies for electrical, civil, and in any other applicable.
- 6. The contractor must comply with the existing DPWH Construction Safety Guidelines during the COVID-19 Public Health Crisis; and
- 7. Attached are the detailed plans and drawings (Annex A 55 pages).

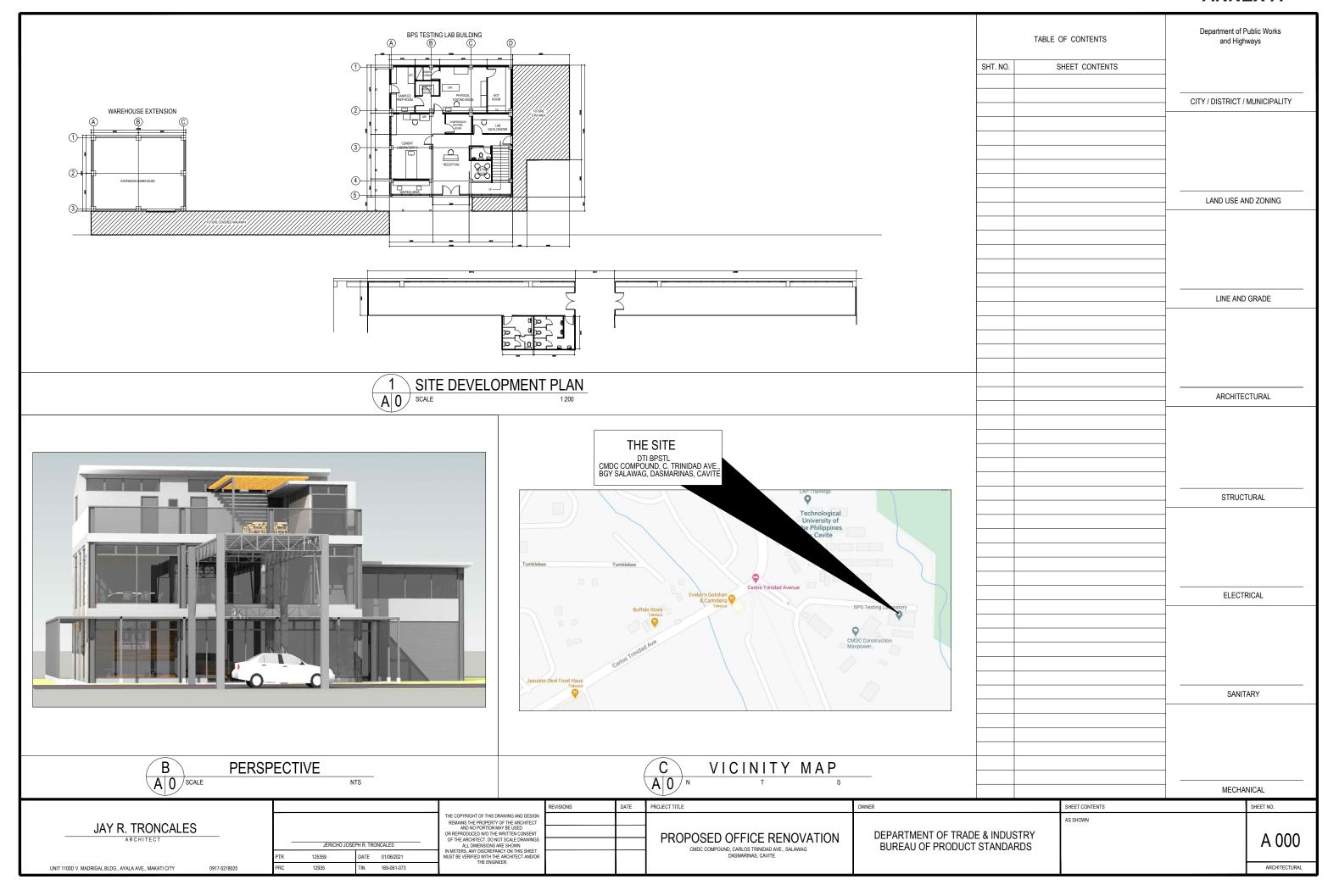
For the guidance and information of all concerned.

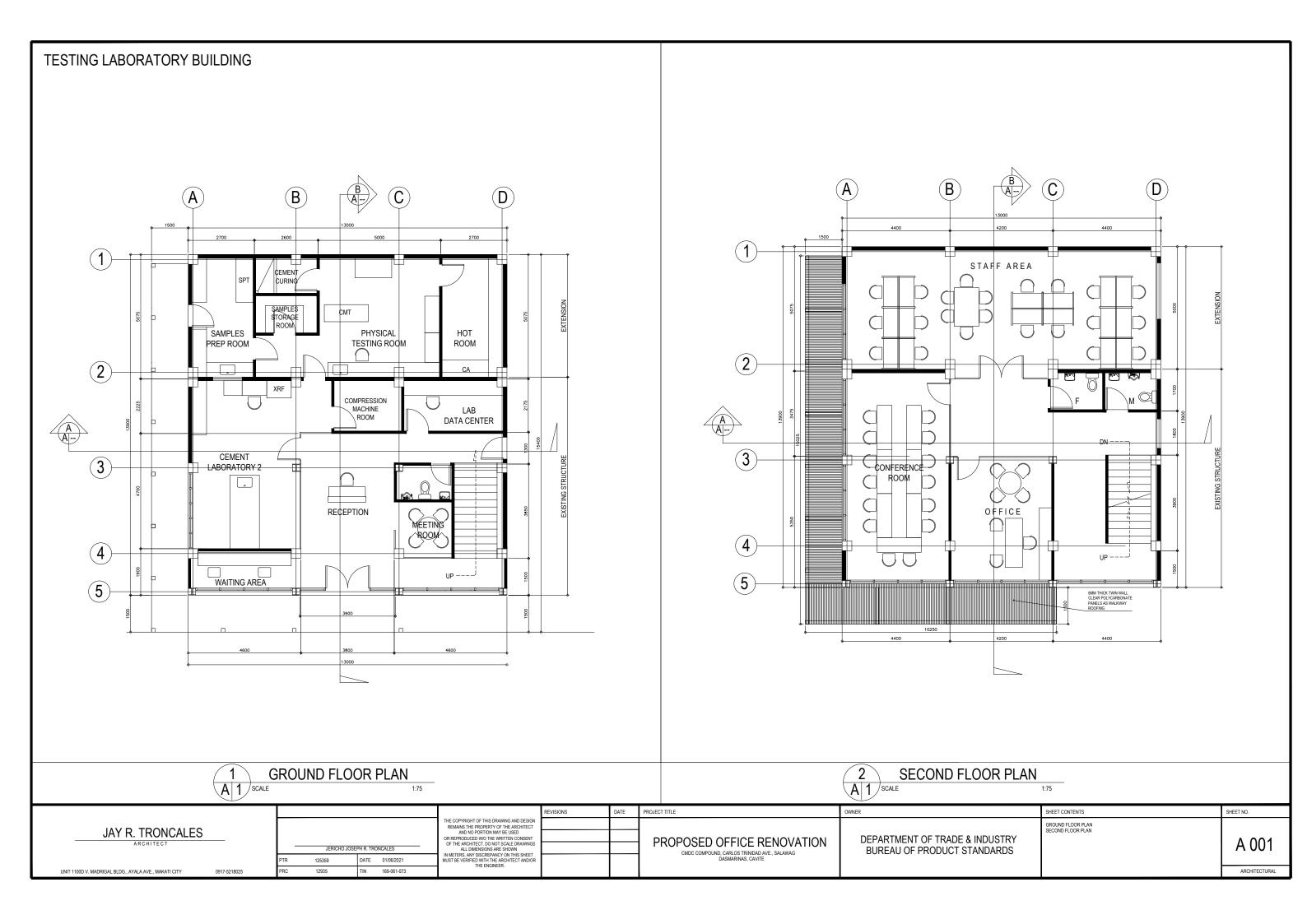
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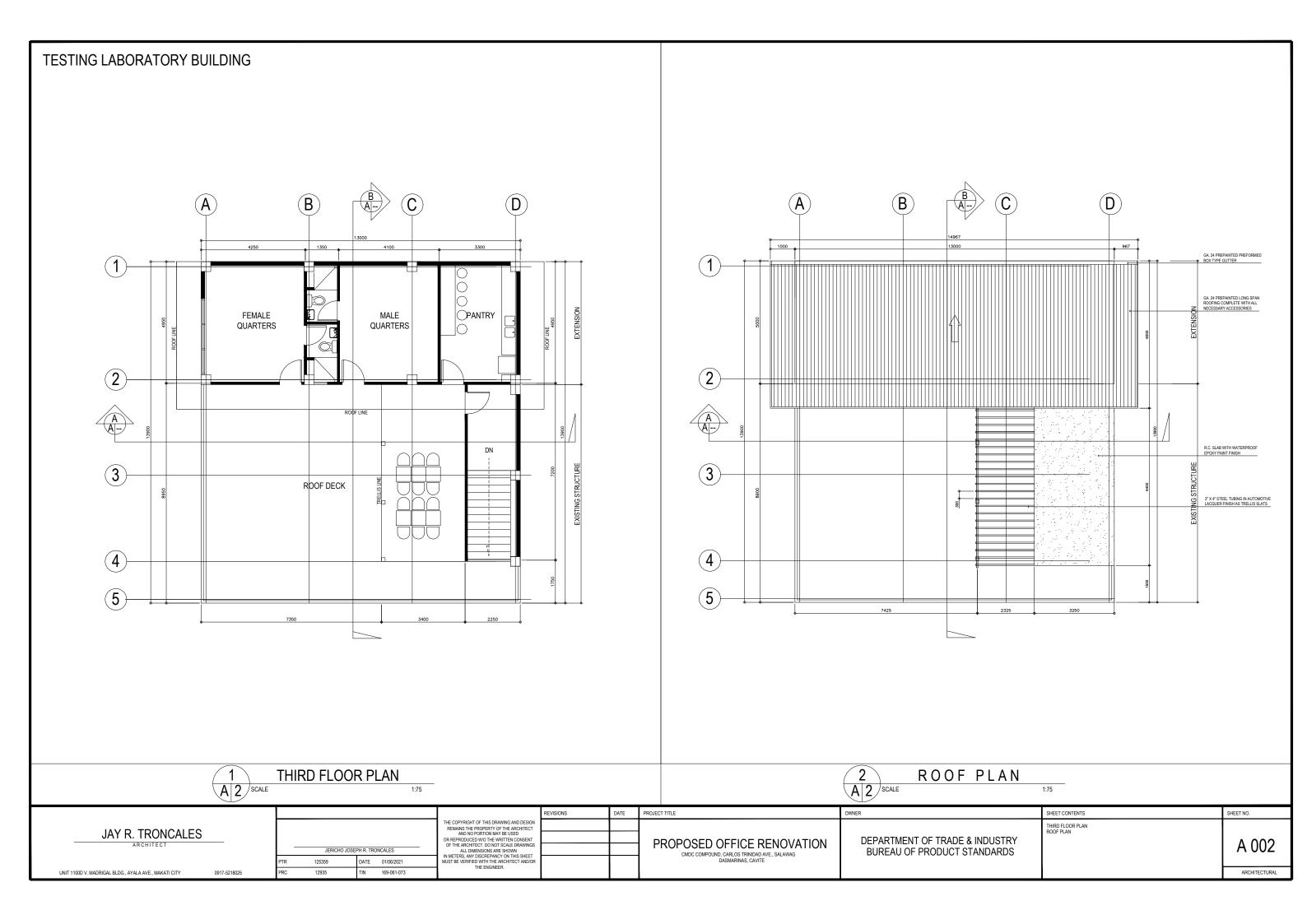
MARY JEAN T. PACHECO

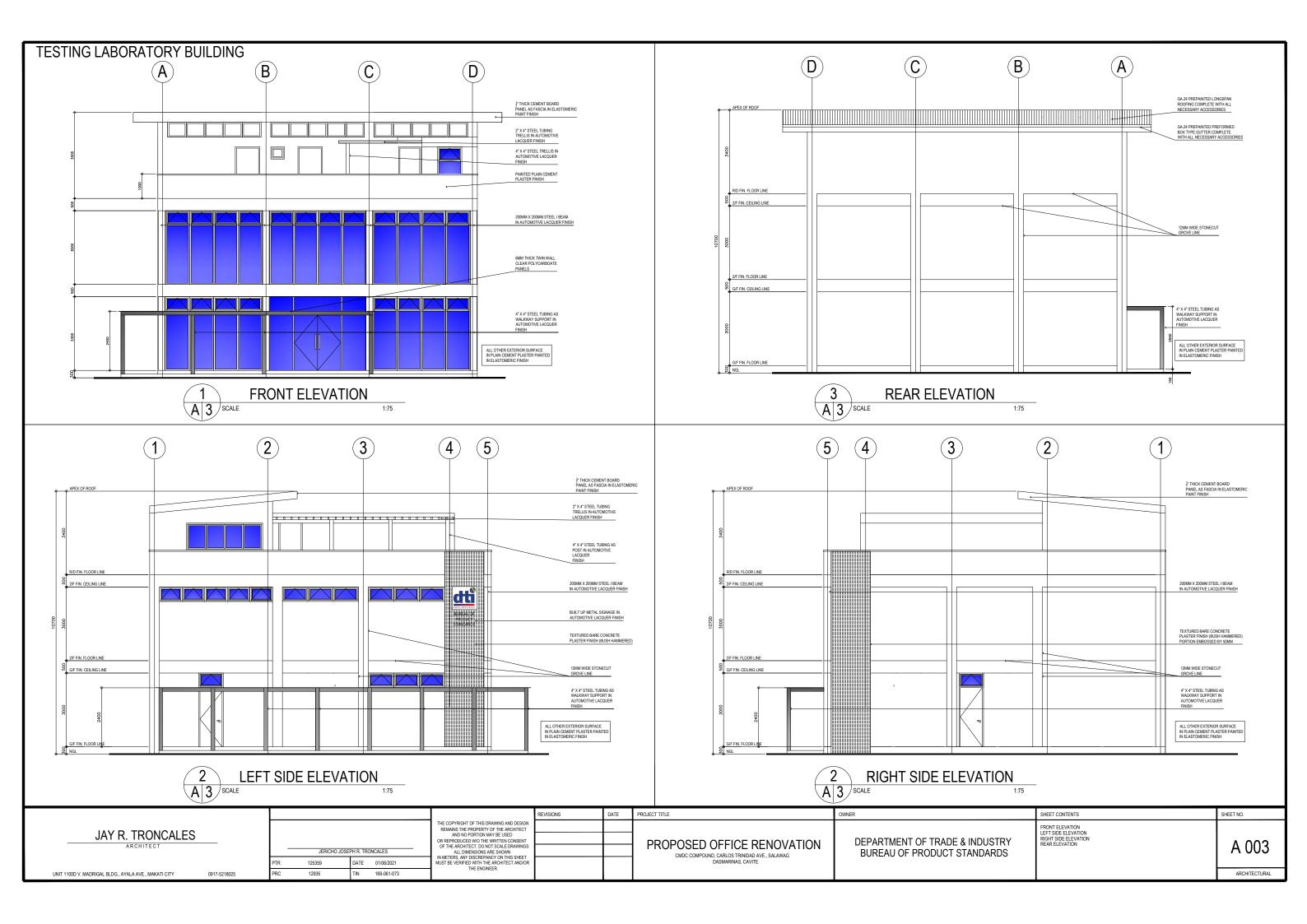
Assistant Secretary Chairperson, DTI Bids and Awards Committee

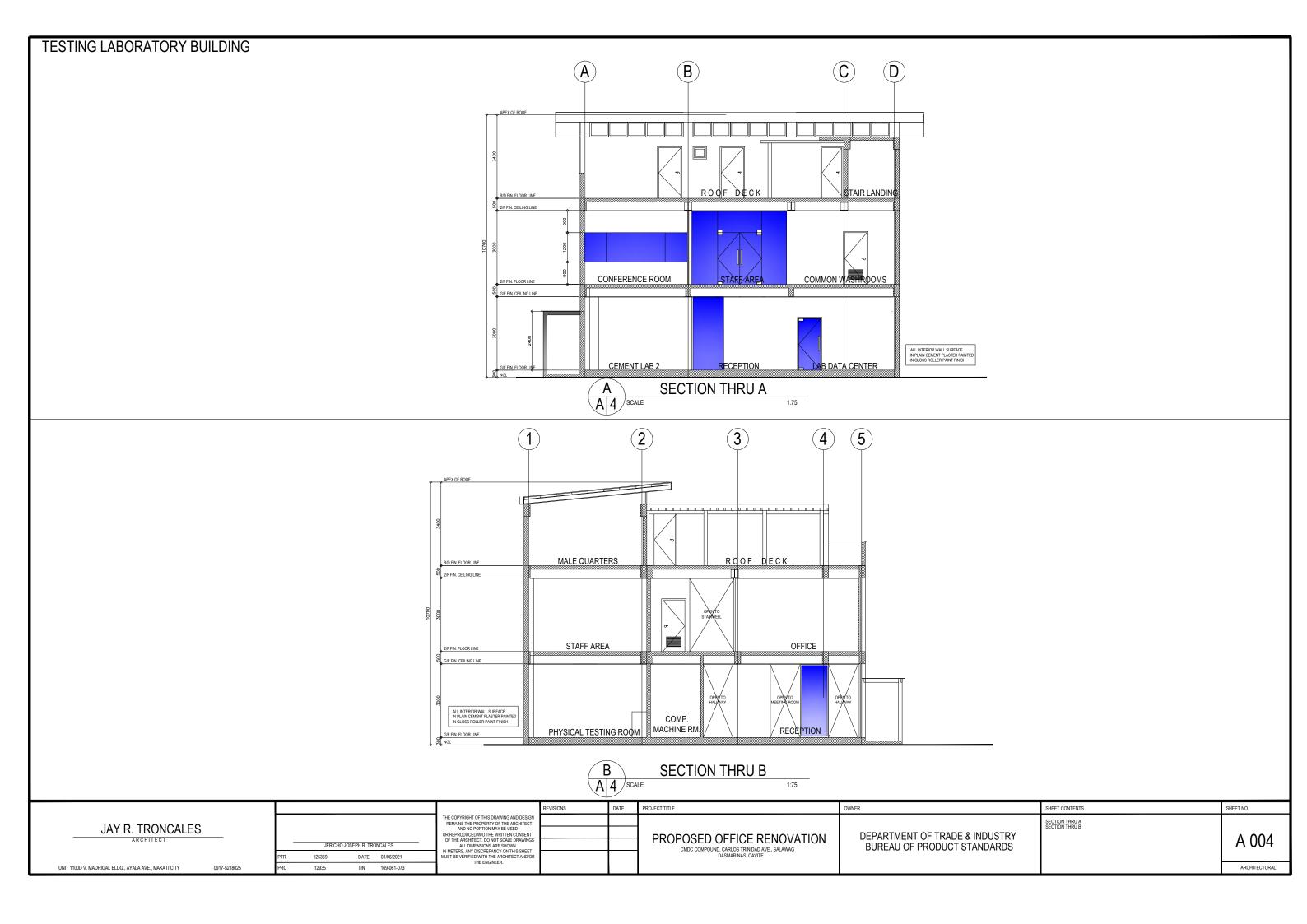


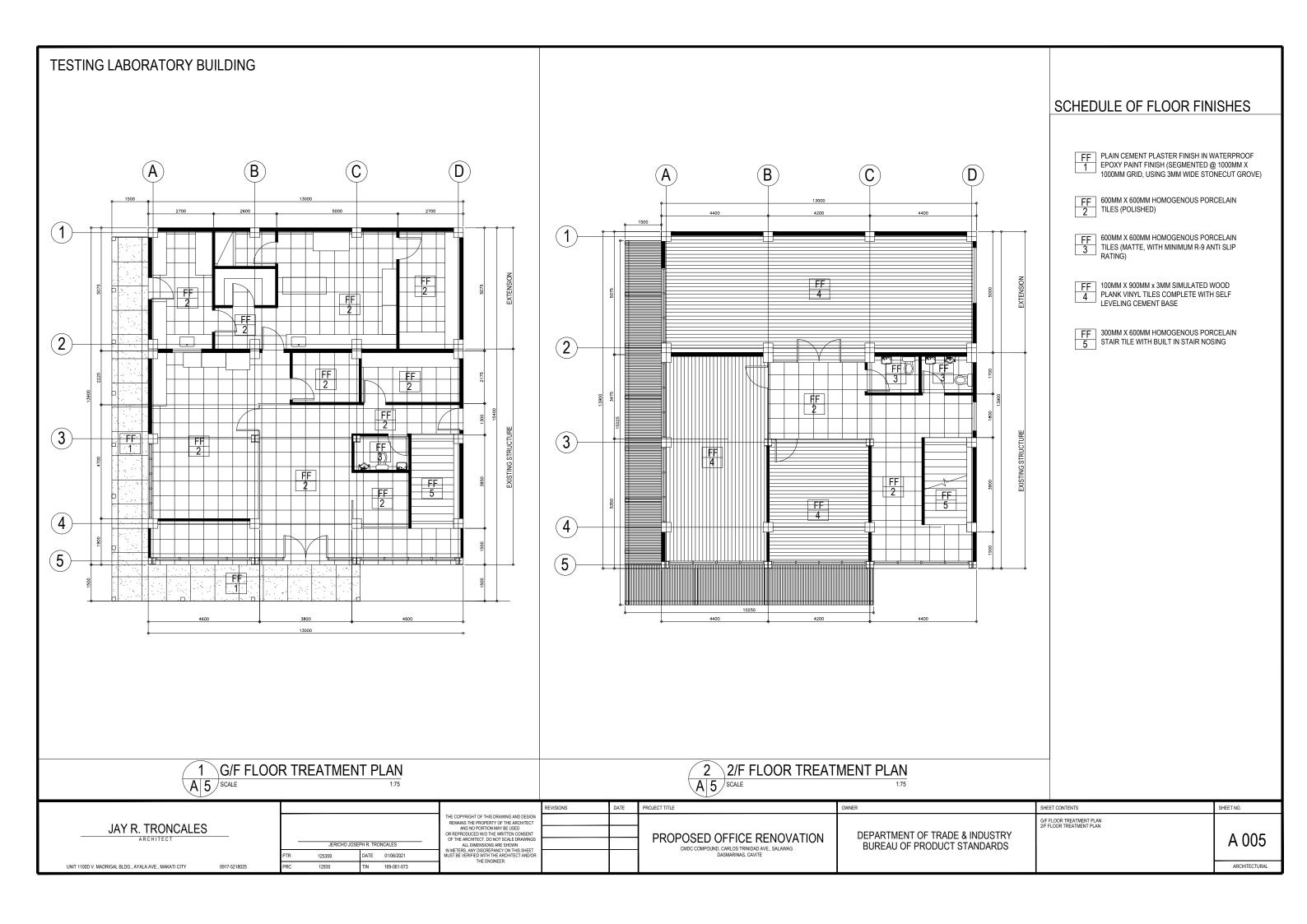






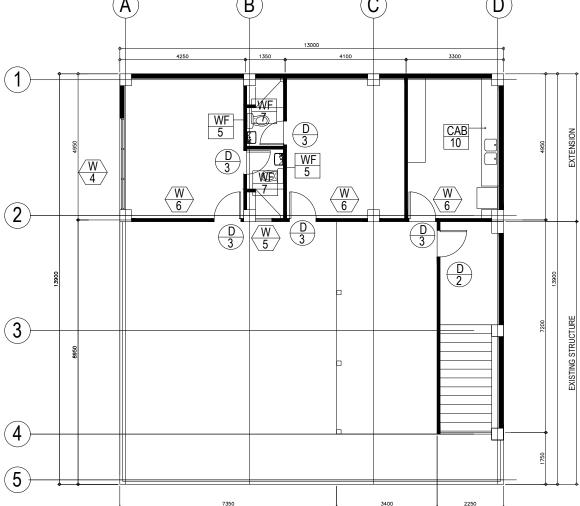






TESTING LABORATORY BUILDING SCHEDULE OF FLOOR FINISHES FF PLAIN CEMENT PLASTER FINISH IN WATERPROOF EPOXY PAINT FINISH (SEGMENTED @ 1000MM X 1000MM GRID, USING 3MM WIDE STONECUT GROVE) (B)(D) (A) FF 600MM X 600MM HOMOGENOUS PORCELAIN TILES (POLISHED) 1350 FF 600MM X 600MM HOMOGENOUS PORCELAIN TILES (MATTE, WITH MINIMUM R-9 ANTI SLIP RATING) FF 100MM X 900MM x 3MM SIMULATED WOOD PLANK VINYL TILES COMPLETE WITH SELF LEVELING CEMENT BASE FF 300MM X 600MM HOMOGENOUS PORCELAIN STAIR TILE WITH BUILT IN STAIR NOSING 2 (3) 4 **(5)** 3/F FLOOR TREATMENT PLAN A 6 SCALE REVISIONS PROJECT TITLE SHEET CONTENTS SHEET NO. THE COPYRIGHT OF THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF THE ARCHITECT AND NO PORTION MAY BE USED OR REPRODUCED WIO THE WRITTEN CONSENT OF THE ARCHITECT. DO NOT SCALE DRAWINGS ALL DIMENSIONS ARE SHOWN IN METERS, ANY DISCREPANCY ON THIS SHEET MUST BE VERIFIED WITH THE ARCHITECT AND/OR THE ENGINEER. 3/F FLOOR TREATMENT PLAN JAY R. TRONCALES DEPARTMENT OF TRADE & INDUSTRY PROPOSED OFFICE RENOVATION A 006 JERICHO JOSEPH R. TRONCALES BUREAU OF PRODUCT STANDARDS CMDC COMPOUND, CARLOS TRINIDAD AVE., SALAWAG DASMARINAS, CAVITE DATE 01/06/2021 UNIT 1100D V. MADRIGAL BLDG., AYALA AVE., MAKATI CITY 169-061-073 ARCHITECTURAL

TESTING LABORATORY BUILDING (A) \bigcirc (B)(C) 3300 4250 1350



NOTE:

WF ALL PERIMETER WALLS SHALL BE 150MM THICK CHB PARTITION IN PAINTED PLAIN CEMENT PLASTER FINISH (GLOSS ROLLER PAINT FOR INTERIOR, ELASTOMERIC PAINT FOR EXTERIOR)

ALL INTERIOR WALLS SHALL BE 100MM THICK
CHB PARTITION IN PAINTED PLAIN CEMENT PLASTER FINISH (GLOSS ROLLER PAINT)

PROJECT TITLE

SCHEDULE OF WALL FINISHES

WF ALL PERIMETER WALLS SHALL BE 150MM THICK CHB PARTITION IN PAINTED PLAIN CEMENT PLASTER FINISH (GLOSS ROLLER PAINT FOR I NTERIOR, ELASTOMERIC PAINT FOR EXTERIOR)



WF ALL INTERIOR WALLS SHALL BE 100MM THICK CHB PARTITION IN PAINTED PLAIN CEMENT PLASTER FINISH (GLOSS ROLLER PAINT)



WF TEXTURED PLAIN CEMENT PLASTER FINISH (BUSH HAMMERED) EMBOSSED 50MM FROM REST OF SURFACE



WF ½" THICK CLEAR TEMPERED GLASS PANEL
WITH EMBEDDED TOP & BOTTOM ALUMINUM
U CHANNEL WITH FROSTED TINT







WF 600MM X 600MM HOMOGENOUS PORCELAIN WALL TILE FINISH

SEE SEPARATE DRAWINGS & SPECS FOR CABINETS



1 3/F WALL TREATMENT/DOOR/WINDOW/CABINET PLAN A 8 SCALE

EVISIONS

JAY R. TRONCALES

UNIT 1100D V. MADRIGAL BLDG., AYALA AVE., MAKATI CITY

0917-5218025

JERICHO JOSEPH R. TRONCALES 01/06/2021 169-061-073

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PROPOSED OFFICE RENOVATION CMDC COMPOUND, CARLOS TRINIDAD AVE., SALAWAG DASMARINAS, CAVITE

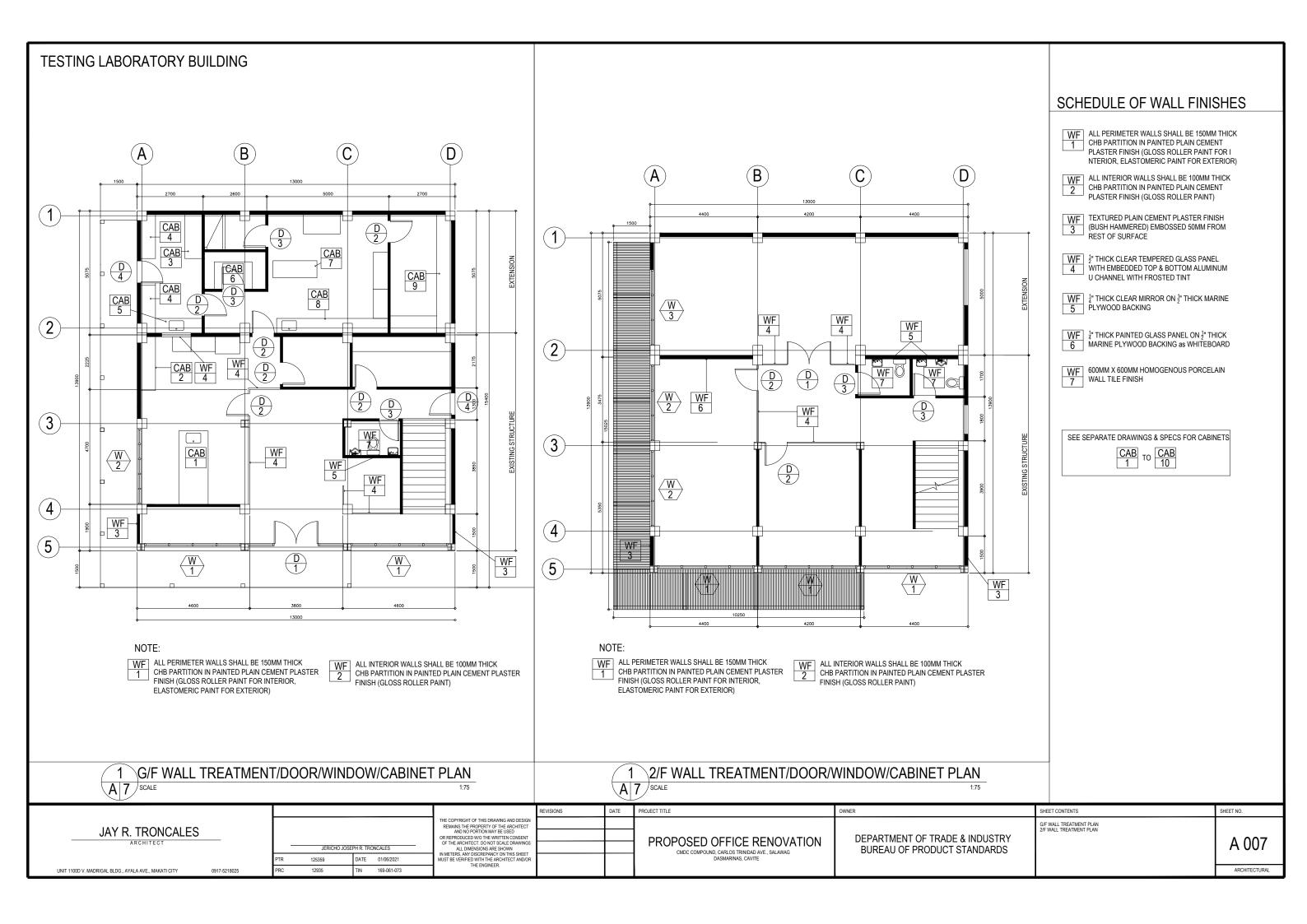
DEPARTMENT OF TRADE & INDUSTRY BUREAU OF PRODUCT STANDARDS

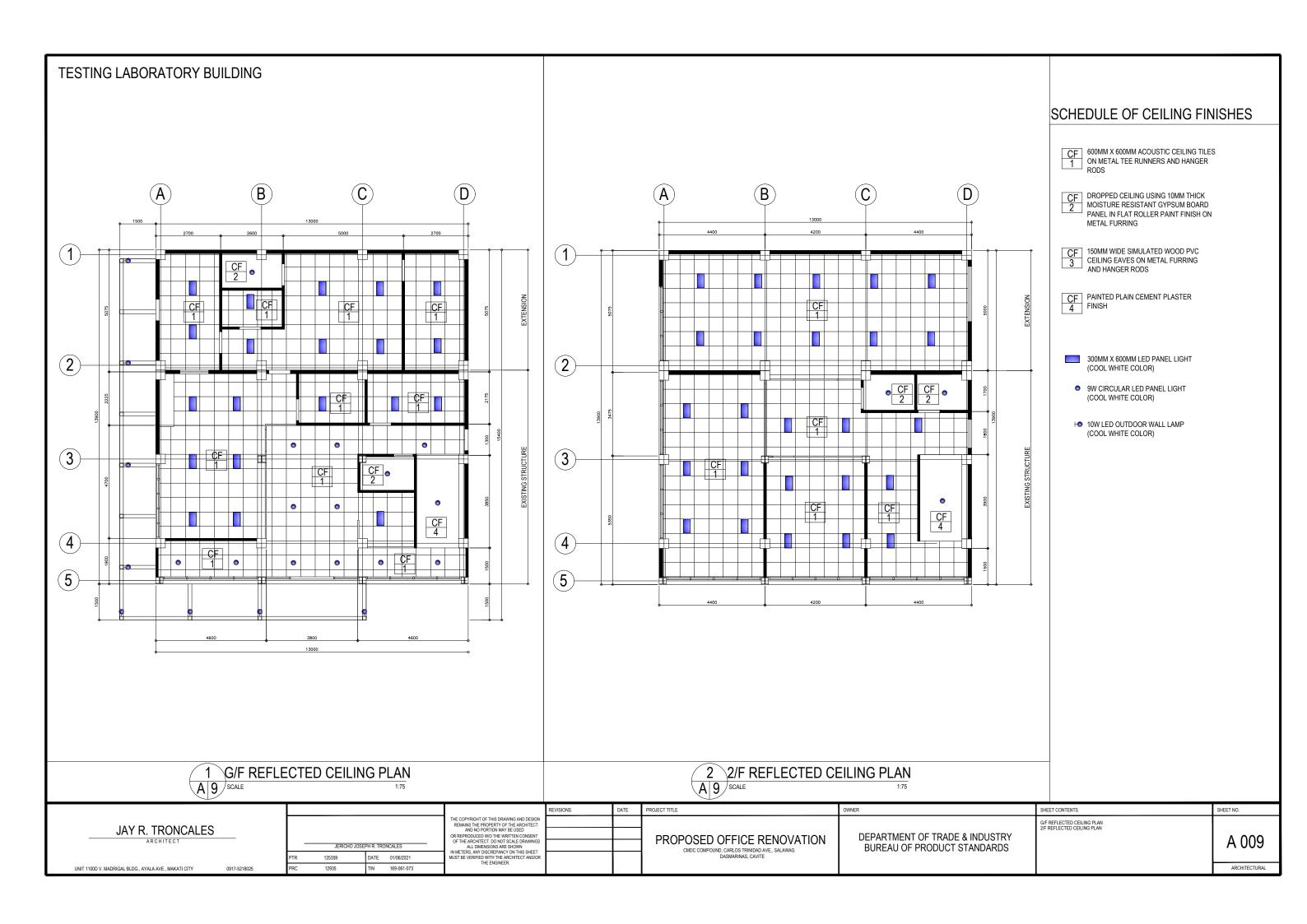
SHEET CONTENTS 3/F WALL TREATMENT PLAN

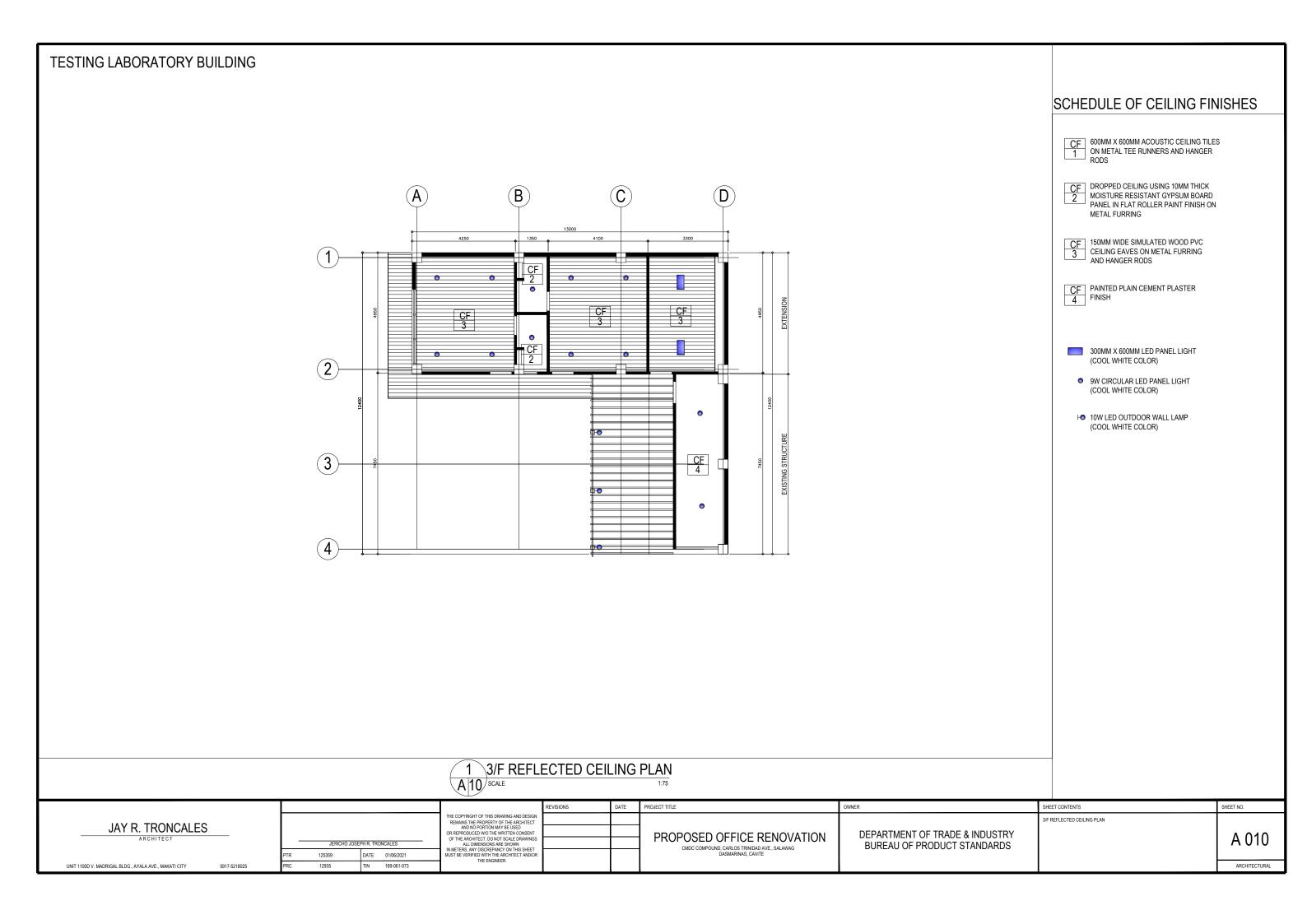
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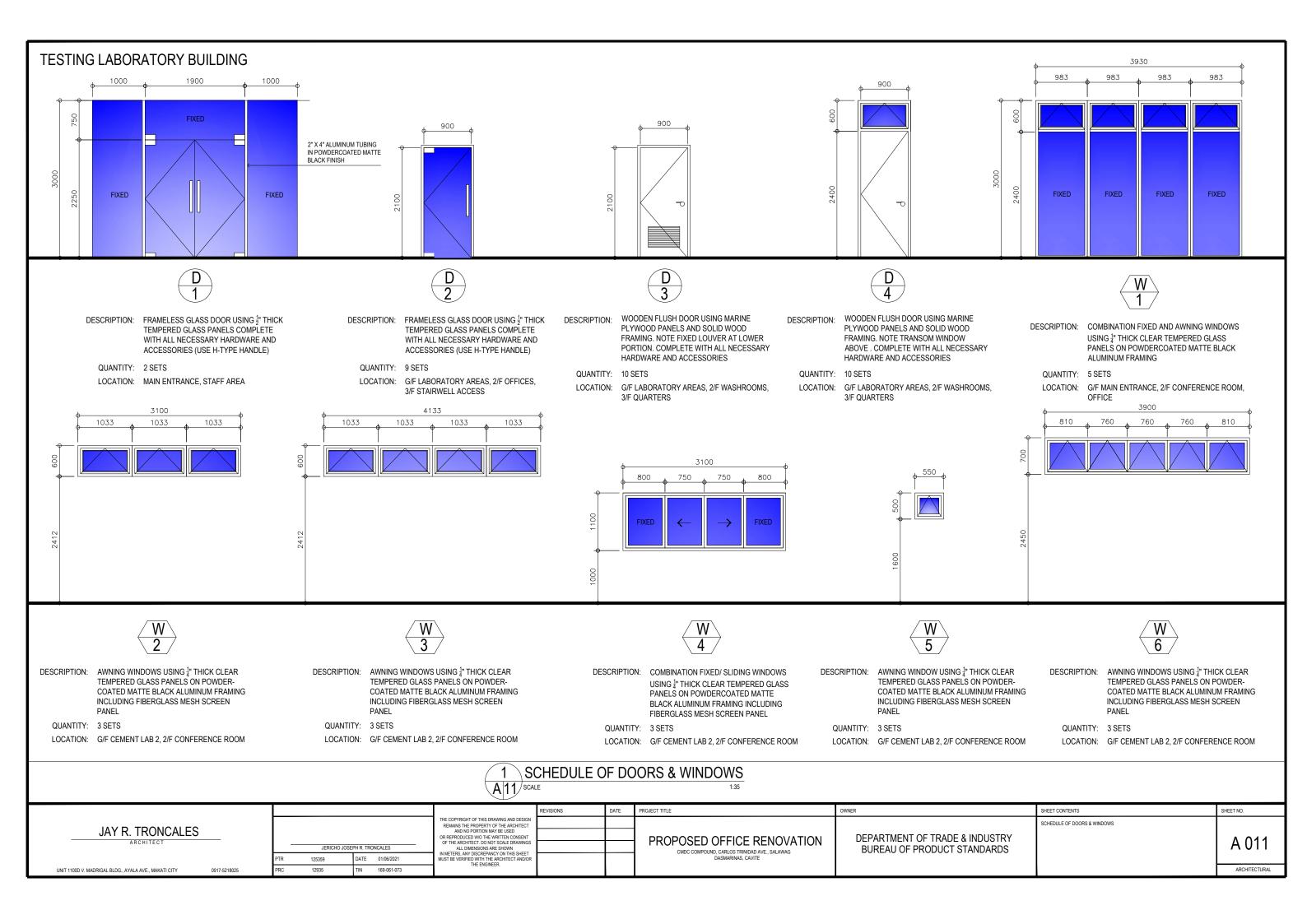
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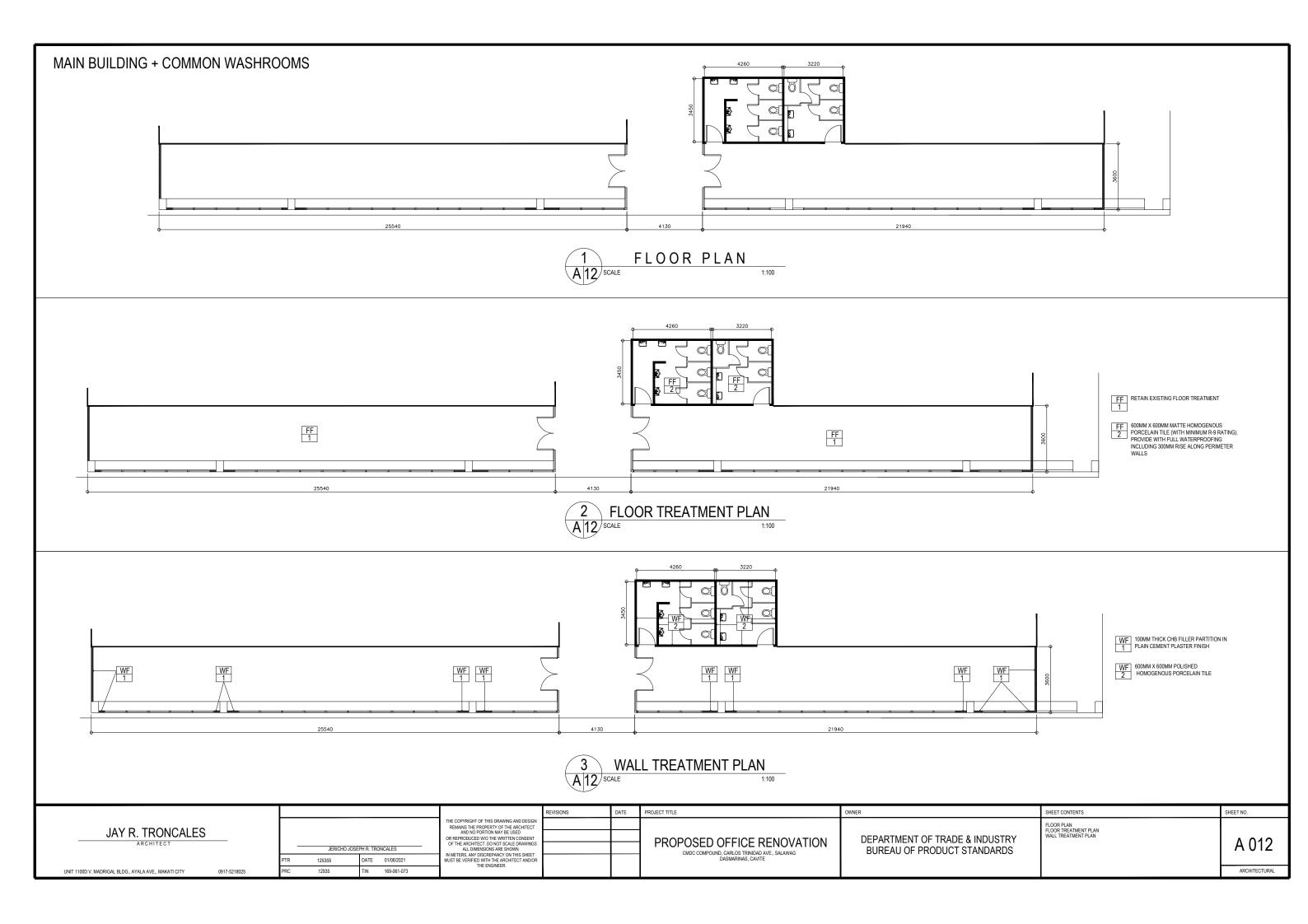
ARCHITECTURAL

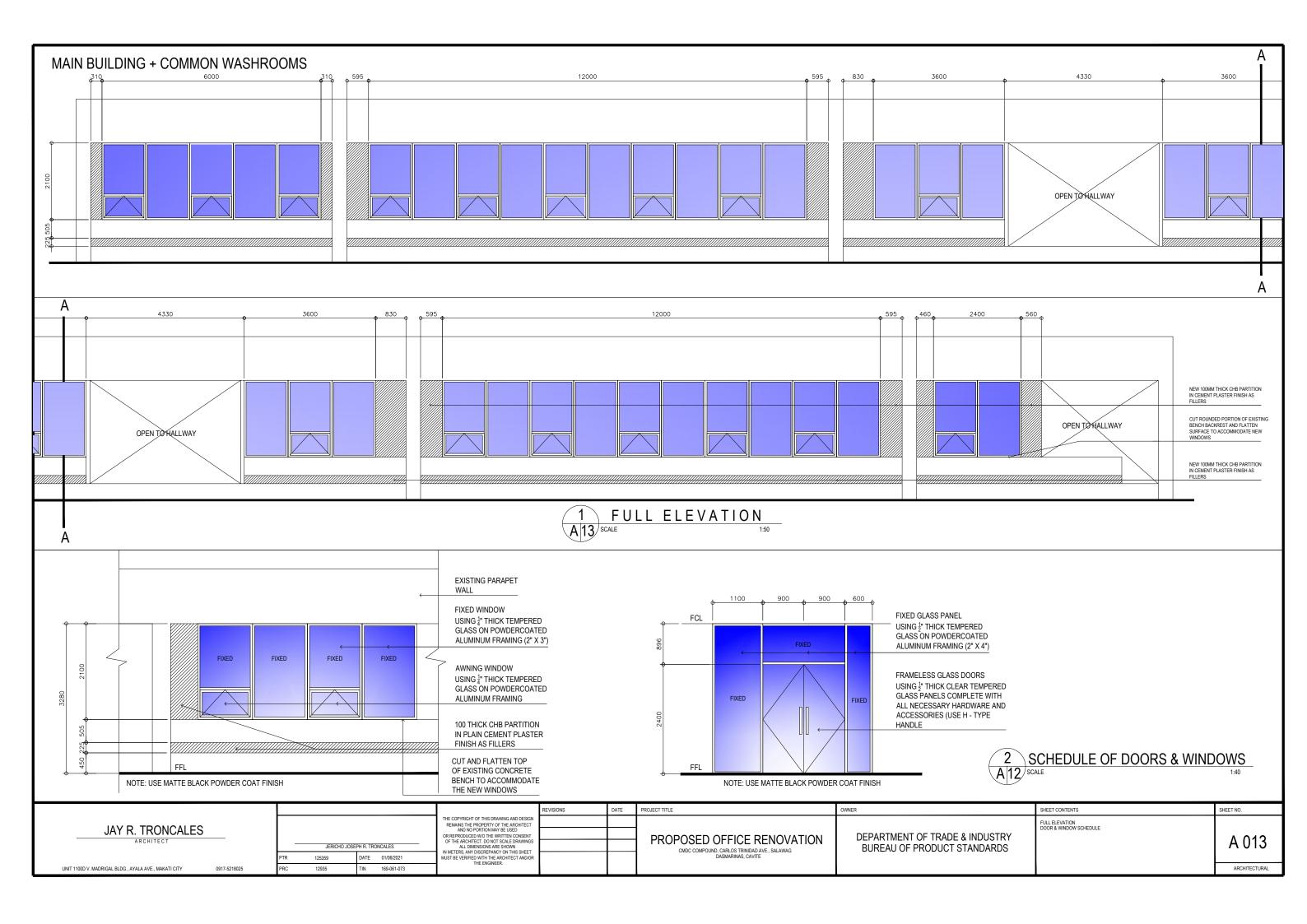


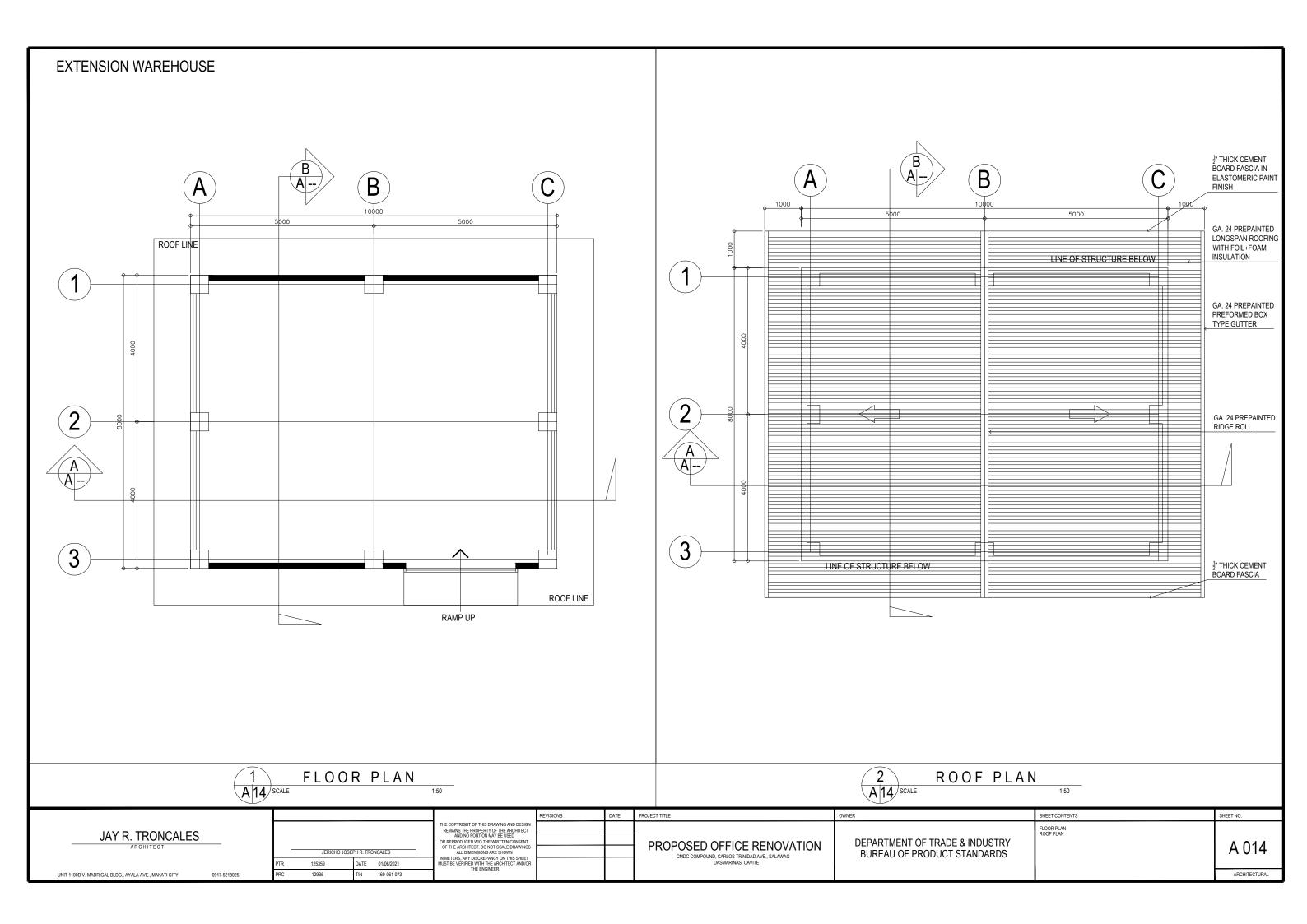


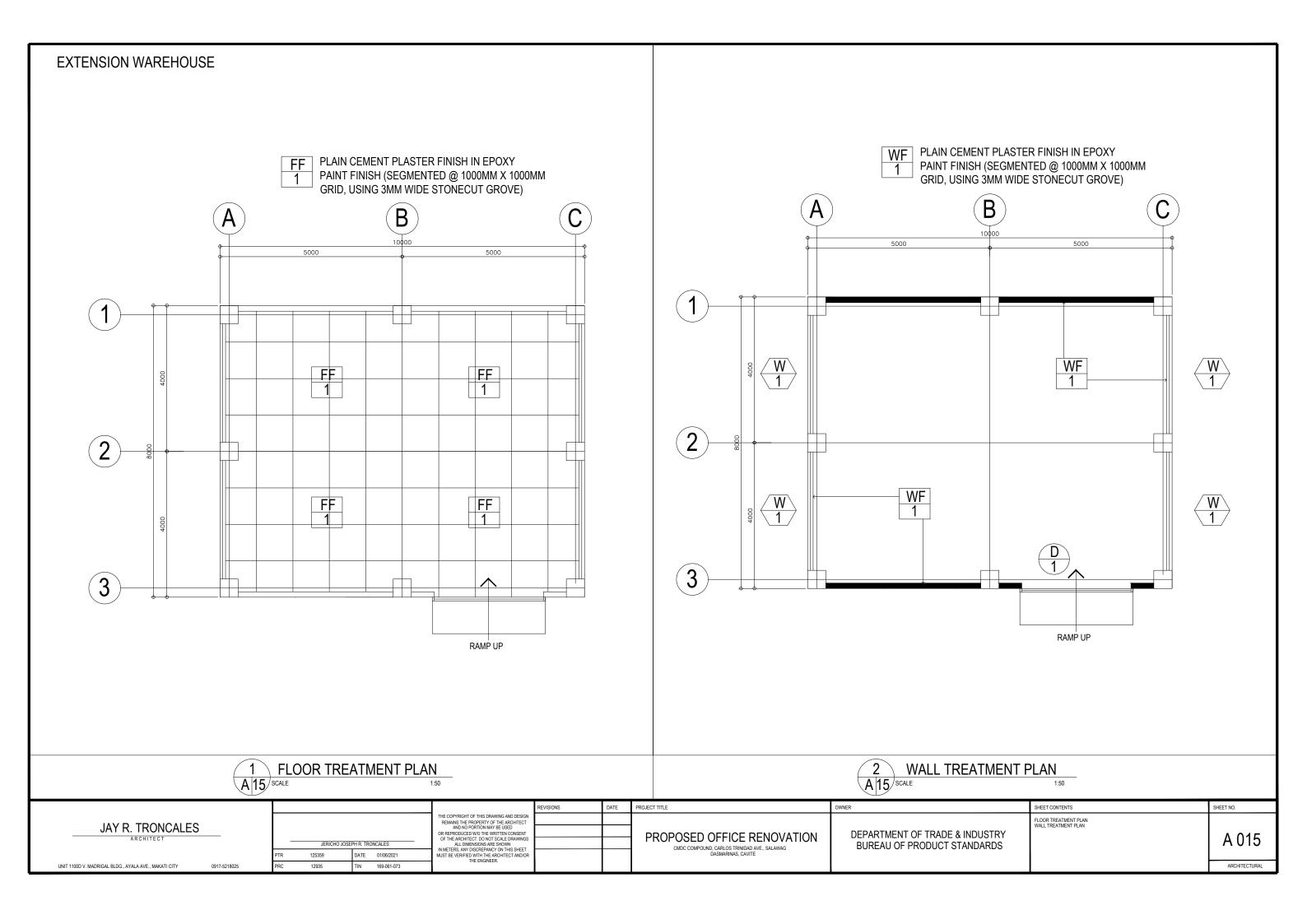


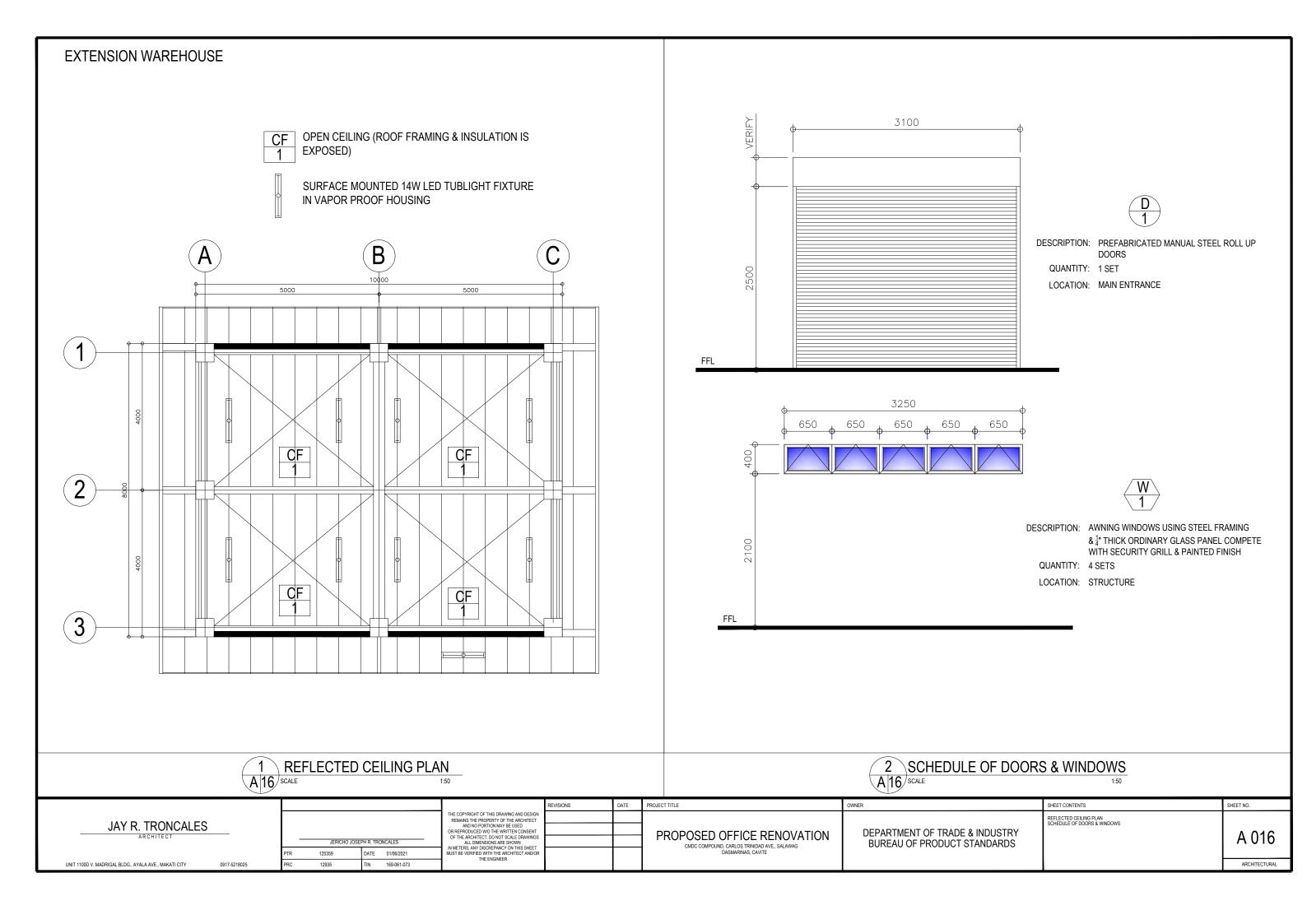


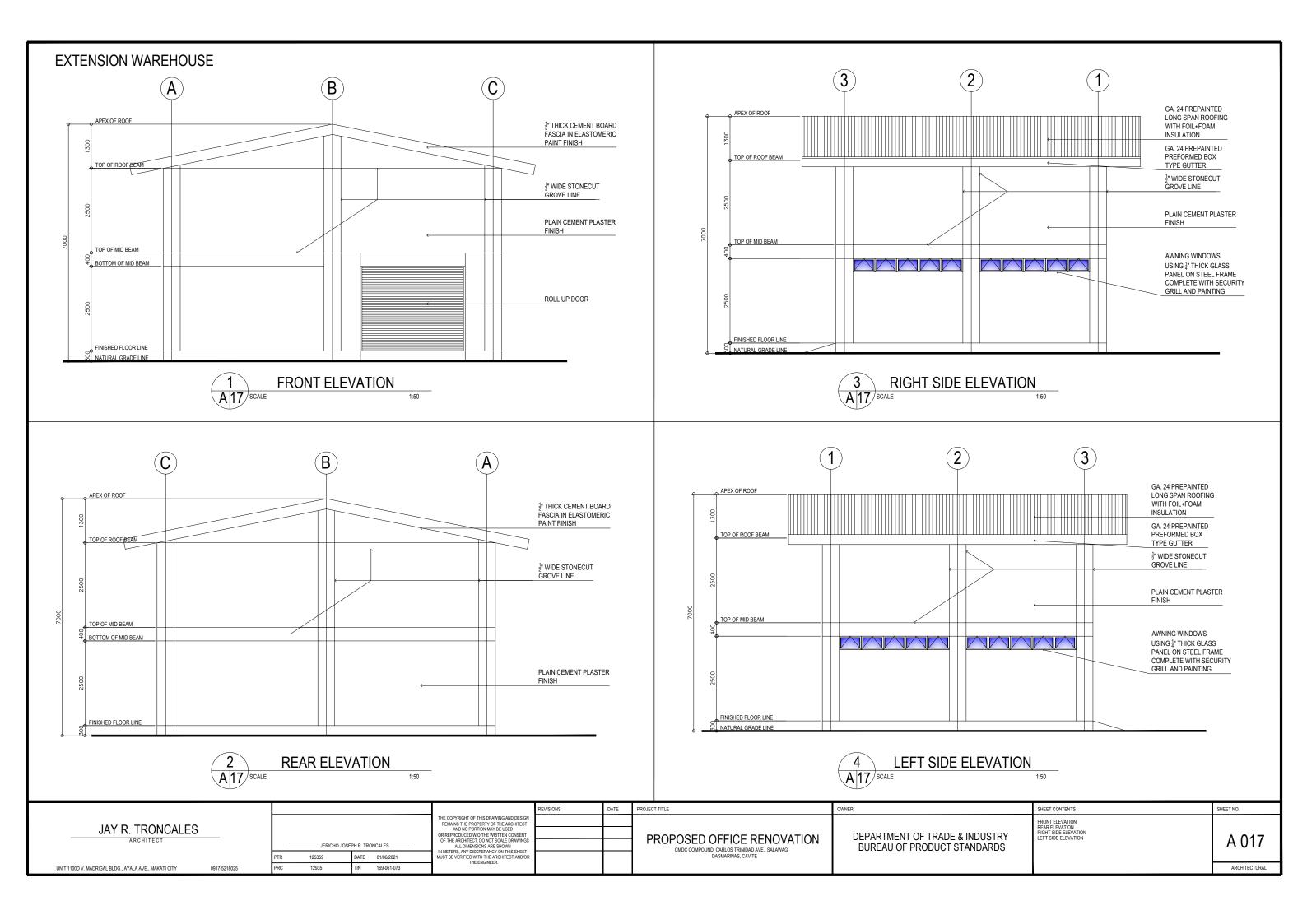


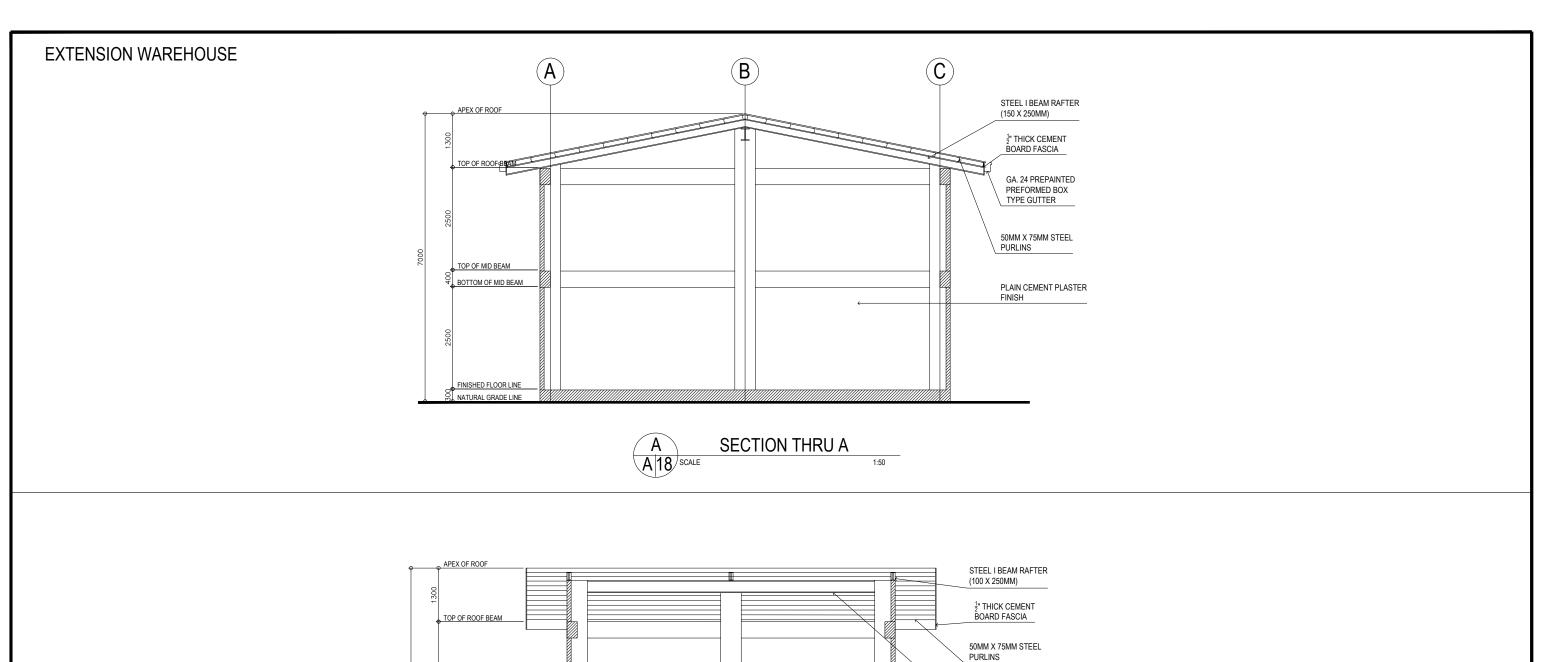


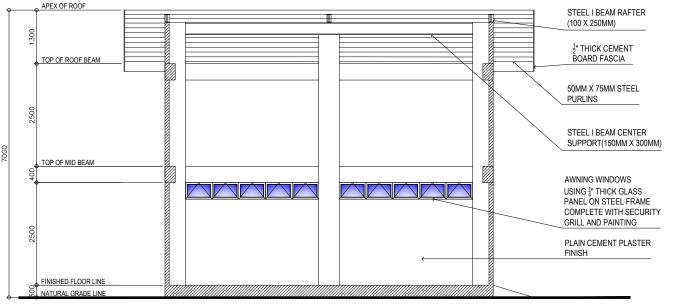








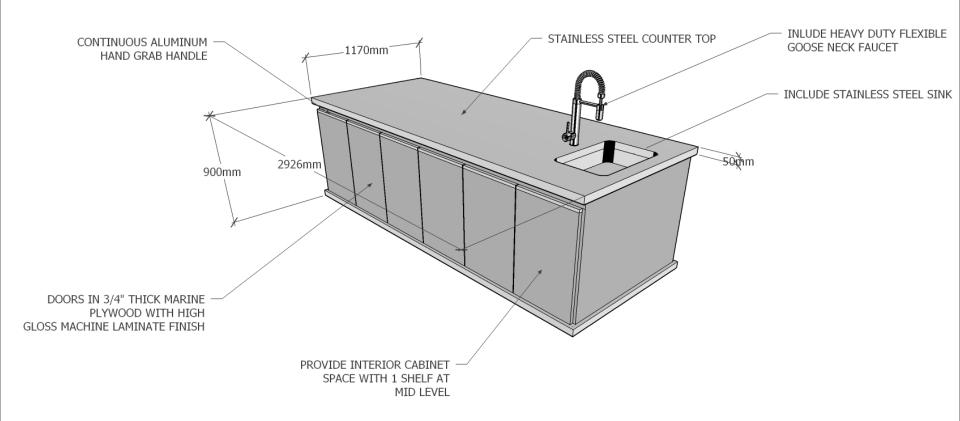




	TOP OF MID BEAM OF INISHED FLOOR NATURAL GRADE	LINE		AWN USIN PANE COM GRIL	PPORT(150MM X 300MM) IING WINDOWS IG ¹ / ₄ THICK GLASS EL ON STEEL FRAME IPLETE WITH SECURITY L AND PAINTING N CEMENT PLASTER SH		
			B SCALE	ECTION THRU B			
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JAY R. TRONCALES		REMAINS THE PROPERTY OF THE ARCHITECT AND NO PORTION MAY BE USED OR REPRODUCED W/O THE WRITTEN CONSENT		PROPOSED OFFICE RENOVATION	DEPARTMENT OF TRADE & INDUSTRY	SECTION THRU A SECTION THRU B	Δ 018
	JERICHO JOSEPH R. TRONCALES	REMAINS THE PROPERTY OF THE ARCHITECT AND NO PORTION MAY BE USED		PROPOSED OFFICE RENOVATION CMDC COMPOUND, CARLOS TRINIDAD AVE., SALAWAG DARLOS TRINIDAD AVE., SALAWAG	DEPARTMENT OF TRADE & INDUSTRY BUREAU OF PRODUCT STANDARDS	SECTION THRU A SECTION THRU B	A 018

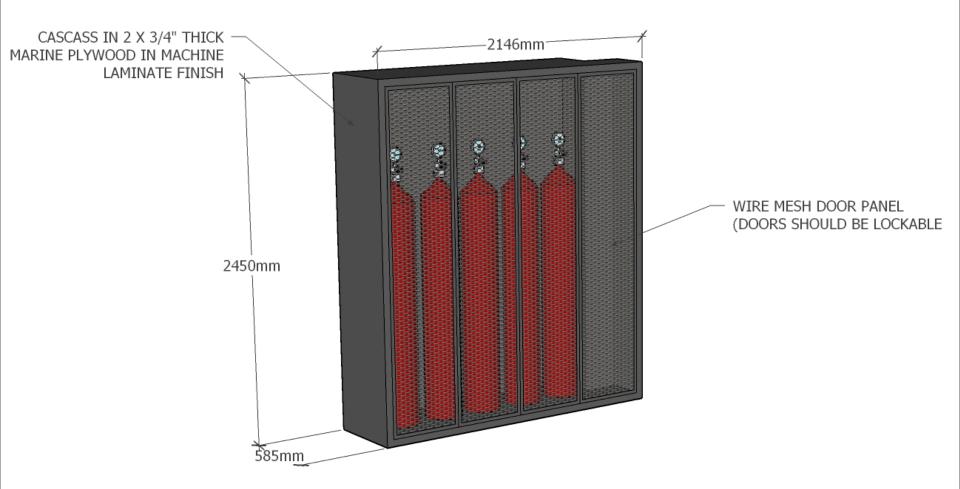


CAB -1 CEMENT LAB WORK TABLE



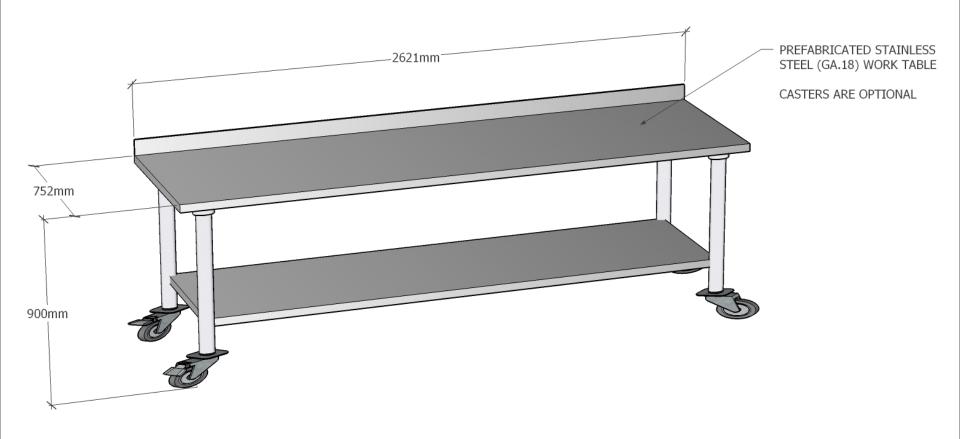


CAB - 2 CEMENT LAB GAS STORAGE



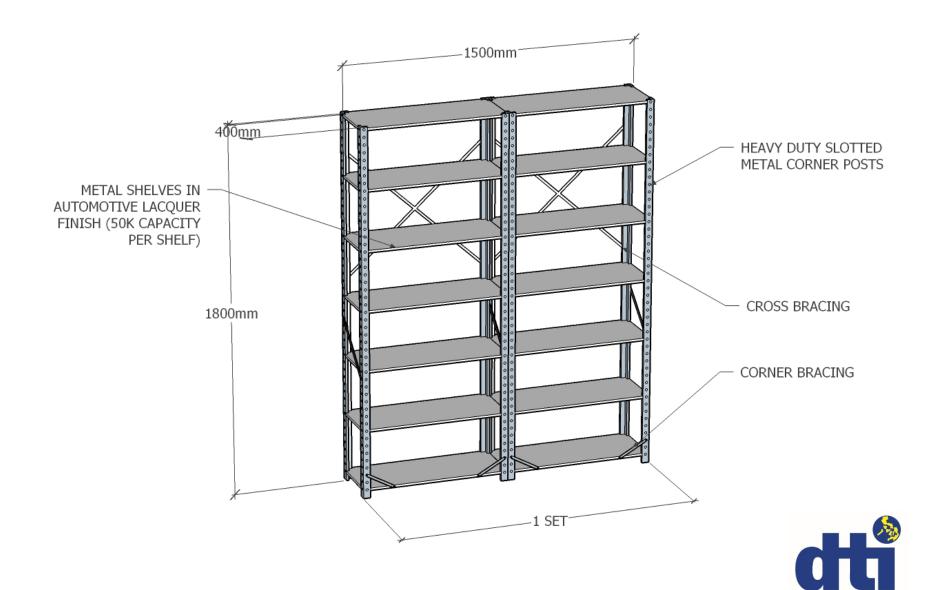


CAB - 3 SAMPLE PREP ROOM WORK TABLE



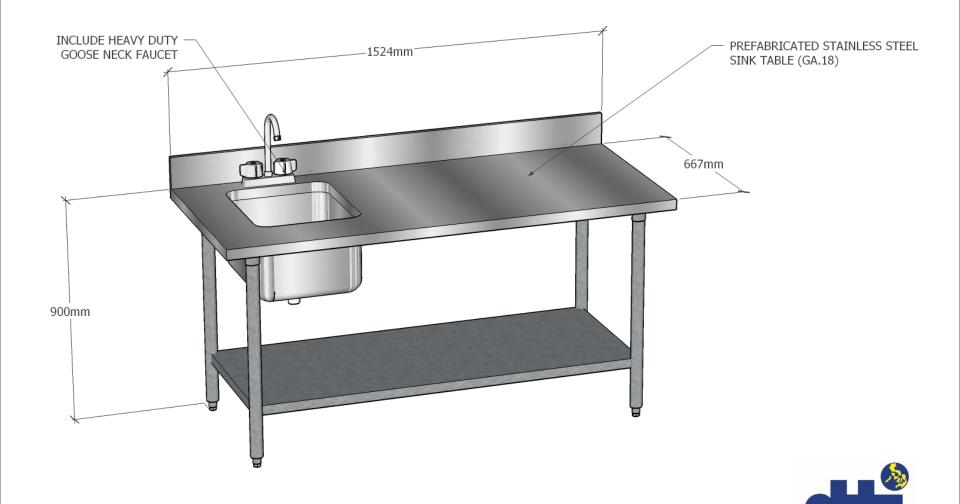


CAB - 4 SAMPLE PREP ROOM STORAGE SHELVES



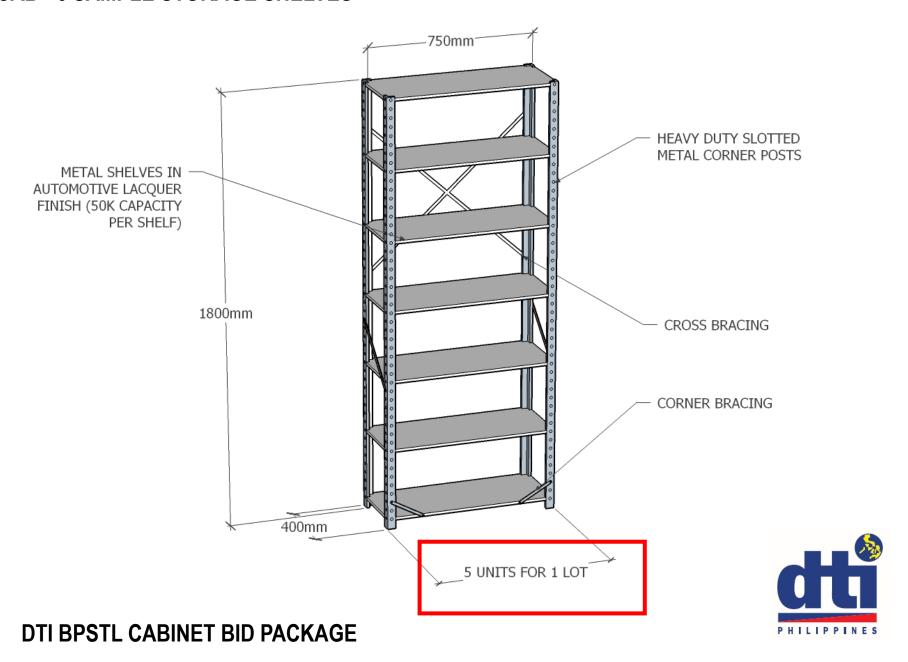
PHILIPPINES

CAB - 5 SAMPLE PREP ROOM SINK TABLE

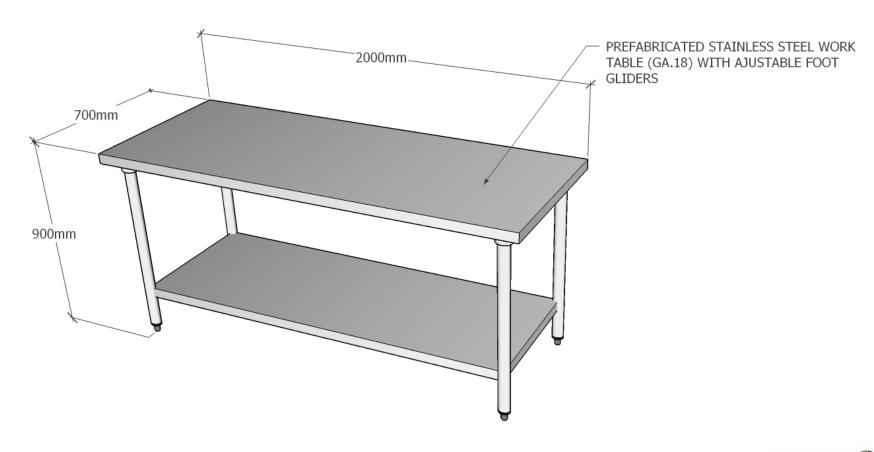


PHILIPPINES

CAB - 6 SAMPLE STORAGE SHELVES

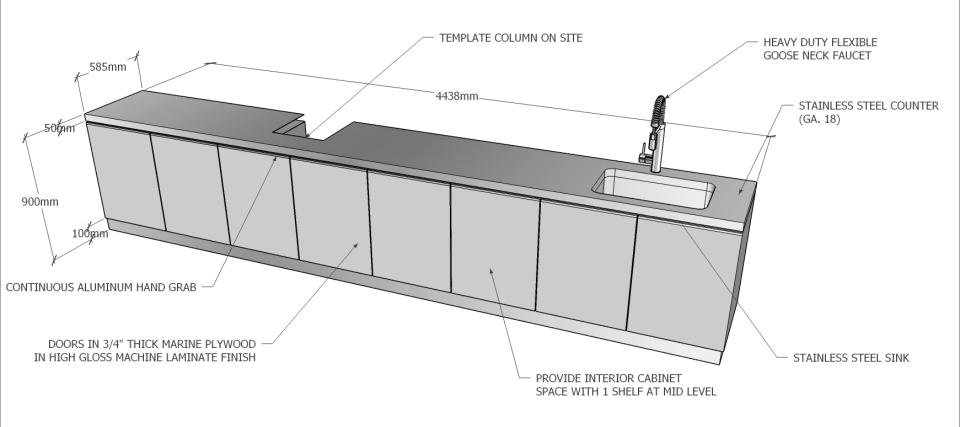


CAB - 7 PHYSICAL TESTING WORK TABLE



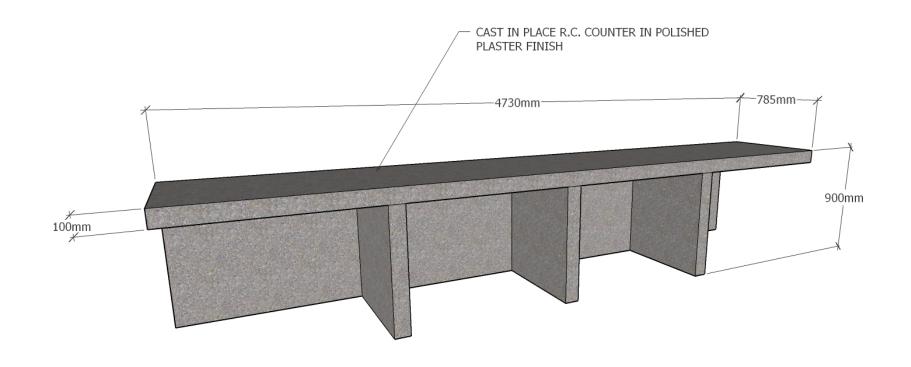


CAB - 8 PHYSICAL TESTING WORK COUNTER



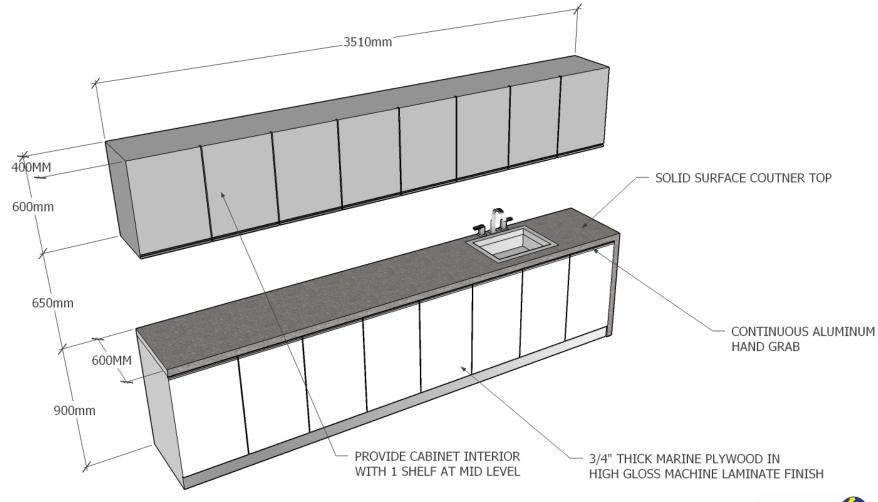


CAB - 9 HOT ROOM WORK COUNTER





CAB 10 - PANTRY CABINET





GENERAL NOTES

- ALL ELECTRICAL INSTALLATIONS INDICATED HEREIN SHALL BE DONE IN
 ACCORDANCE WITH THE PROVISIONS OF THE LATEST EDITION OF THE
 PHIL. ELECTRICAL CODE AND THE LAWS AND ORDINANCES OF DASMARINAS CAVITE
- 2. THE TYPE OF POWER SERVICE SHALL BE 230V., 3 PHASE, 60 HERTZ.
- 3. ALL MATERIALS TO BE USED SHALL BE NEW AND OF THE APPROVED TYPE FOR ITS INTENDED USE AND LOCATION
- MINIMUM SIZES OF WIRES AND CONDUIT SHALL BE 3.5 mm AND 15 mm DIAMETER RESPECTIVELY.
- ALL BRANCH CIRCUIT BREAKERS SHALL BE "BOLT-ON TYPE" WITH 10 KAIC MINIMUM. ALL MAIN CIRCUIT BREAKERS SHALL BE INDUSTRIAL TYPE WITH KAIC RATING AS INDICATED IN THE PLAN.
- ALL FEEDER & BRANCH WIRING SHALL BE IN POLYVINYL CHLORIDE CONDUIT (PVC). OPEN WIRING, OPEN PULL BOX, OPEN JUNCTION BOX, BX WIRES ARE NOT ALLOWED.
- PROVIDE JUNCTION / PULL BOXES WHEN NECESSARY EVEN IF IT IS NOT SHOWN IN THE PLAN. AND SHOW THEM IN THE AS-BUILT DRAWINGS
- 8. PREFERRED BRAND OF MATERIALS ARE AS FOLLOWS:

a. IMC/PVC CONDUIT

b. WIRES & CABLES

c. CIRCUIT BRAKERS

d. UTILITY / JUNCTION BOXES

e. WIRING DEVICES

- WHERE APPLICABLE

ALL MATERIALS SHOULD

HAVE THE NECESSARY

BPS CERTIFICATION/

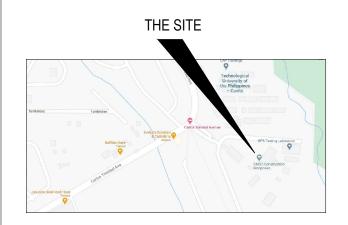
CLEARANCE

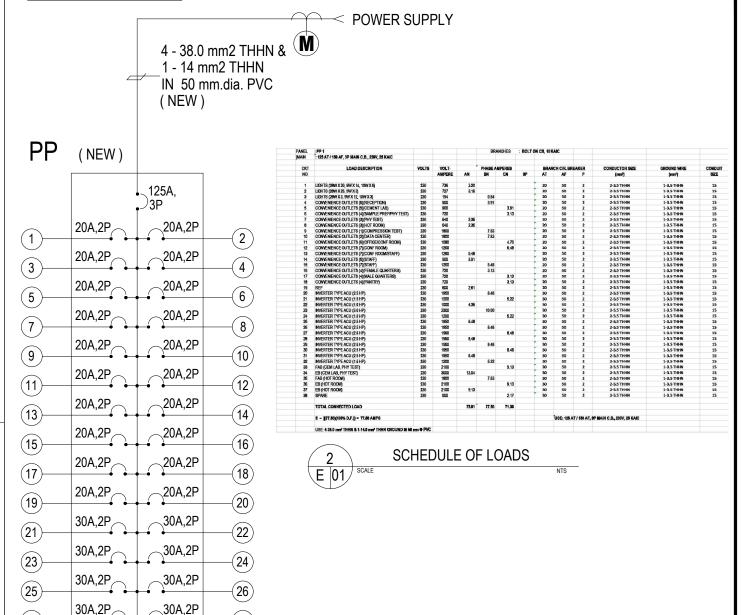
f. LIGHTING FIXTURE

- DROPPINGS FOR LIGHTING BRANCH CIRCUITS FOR JUNCTION BOX TO LIGHTING FIXTURES SHALL BE IN FLEXIBLE METALLIC CONDUIT WITH APPROPRIATE BOX CONNECTORS.
- FOR WIRES 5.5 mm AND SMALLER, USE PRESSURE TYPE CONNECTORS OR WIRE NUTS. FOR 8 mm AND LARGER, USE SOLDERLESS CONNECTORS.
- 11. FOR EACH SPARE BREAKER IN PANELBOARD, PROVIDE A 20 mm (3/4")
 DIAMETER EMPTY IMC CONDUIT TERMINATING TO A 4" x 4" JUNCTION BOX
 ABOVE CEILING.
- ALL ELECTRICAL WORKS SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY LICENSED / REGISTERD ELECTRICAL ENGINEER.

LEGEND

- 300MM X 600MM LED PANEL LIGHT (COOL WHITE COLOR)
 - 9W CIRCULAR LED PANEL LIGHT (COOL WHITE COLOR)
 - ★ 10W LED OUTDOOR WALL LAMP (COOL WHITE COLOR)







VISIONS



ENGINEER		
PTR	DATE	
PRC	TIN	

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PROPOSED OFFICE RENOVATION
CMDC COMPOUND, CARLOS TRINIDAD AVE., SALAWAG
DASMARINAS, CAVITE

(27)

(29)

(31)

(33)

(35)

(37)

PROJECT TITLE

30A,2P

30A,2P

30A,2P

30A,2P

30A,2P

TESTING LAB BUILDING

DEPARTMENT OF TRADE & INDUSTRY BUREAU OF PRODUCT STANDARDS

28

30

32

(34)

(36)

GROUND

SPARE

30A,2P

30A,2P

30A.2P

30A,2P

30A,2P

GB<

GENERAL NOTES VICINITY MAP POWER SINGLE LINE DIAGRAM SCHEDULE OF LOADS

SHEET CONTENTS

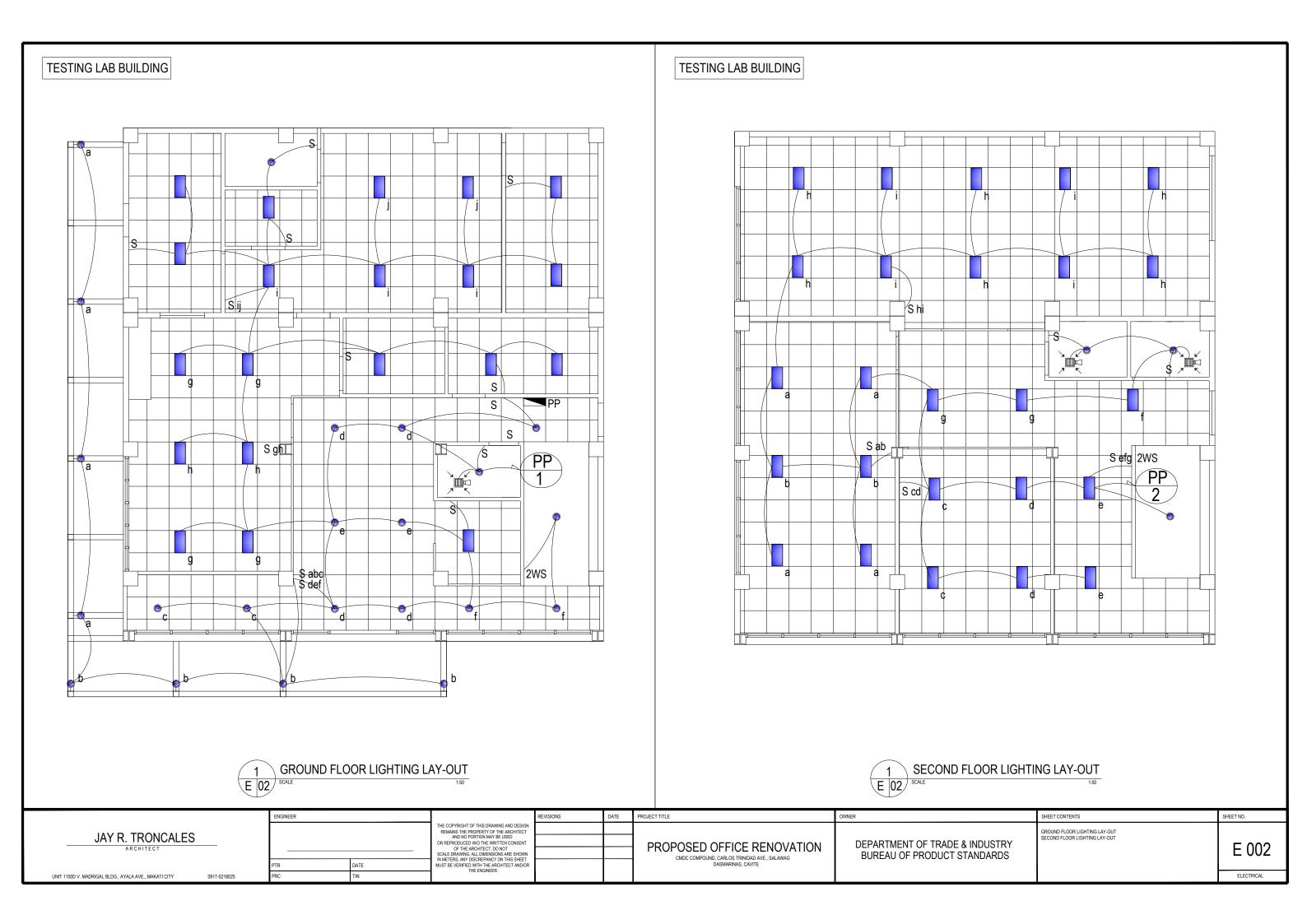
POWER SINGLE LINE DIAGRAM

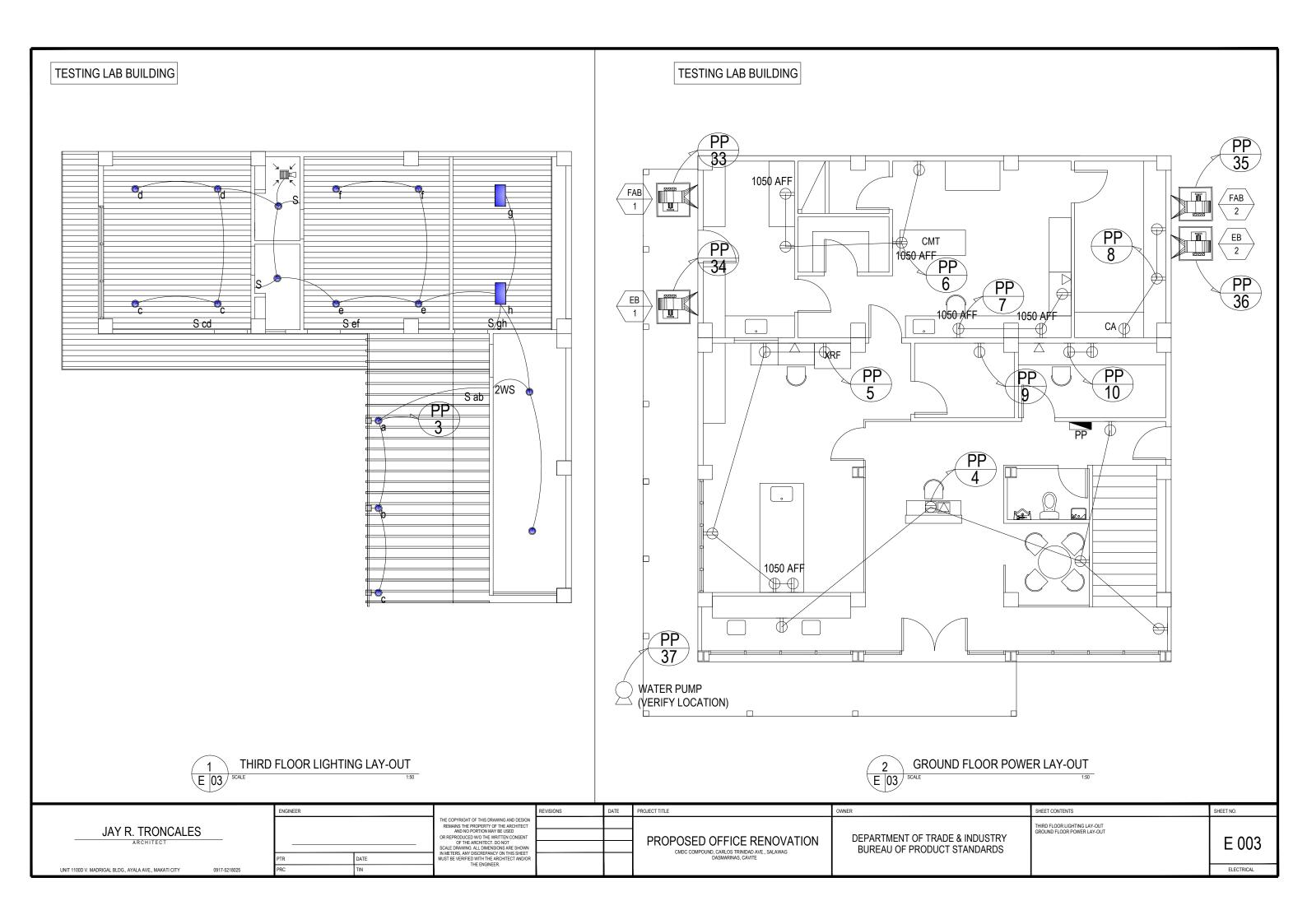
E 001

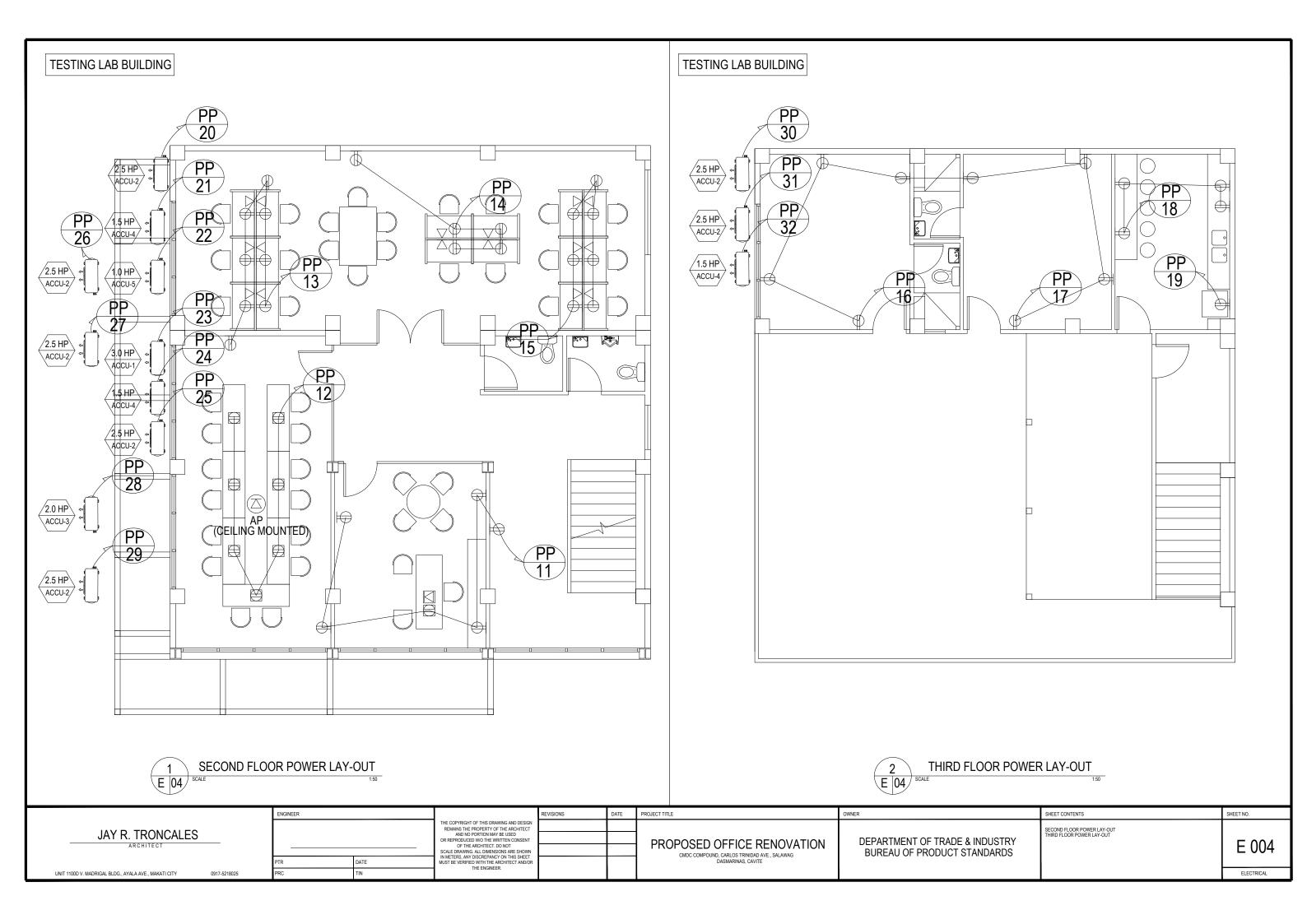
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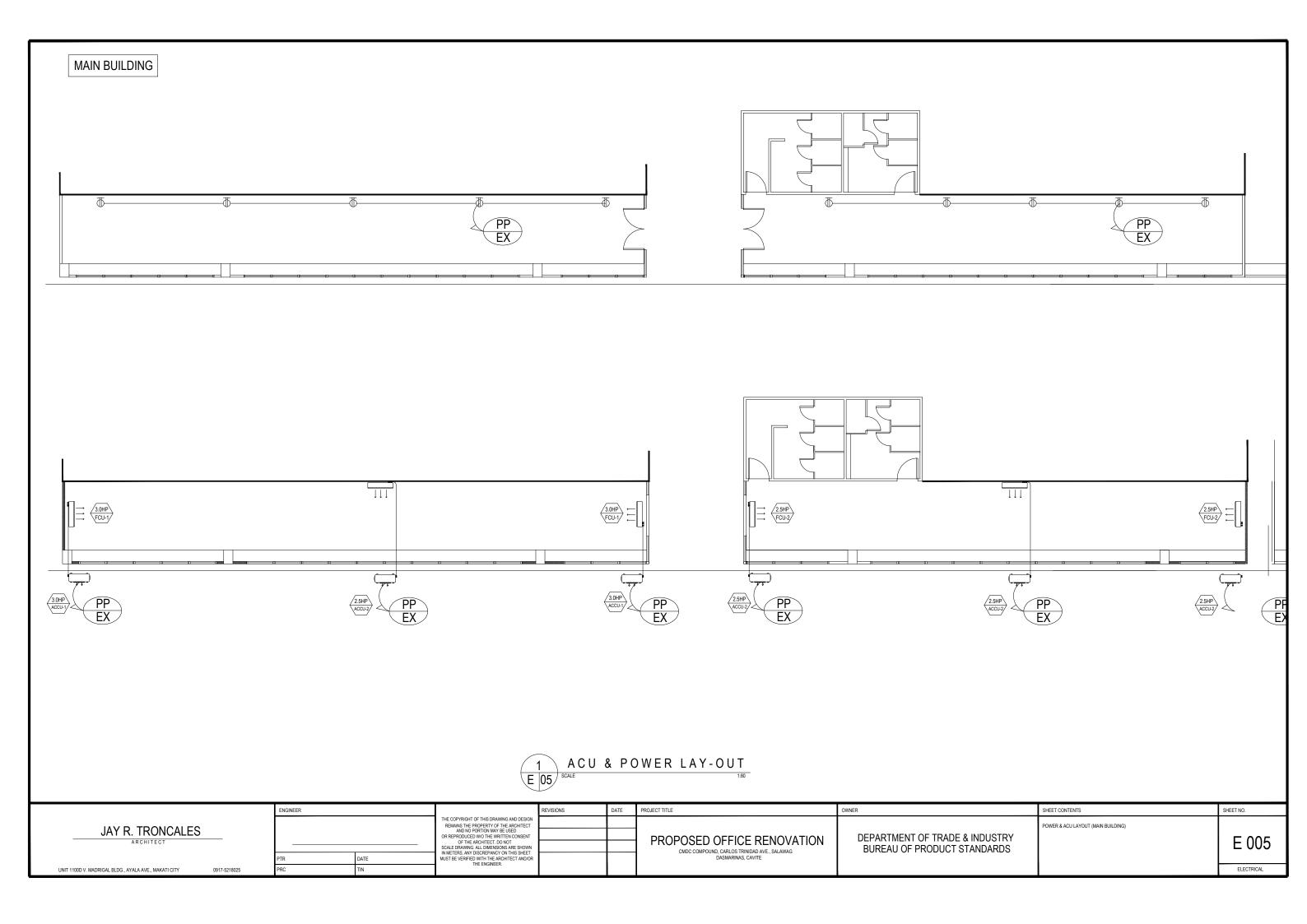
UNIT 1100D V. MADRIGAL BLDG., AYALA AVE., MAKATI CITY

0917-5218025

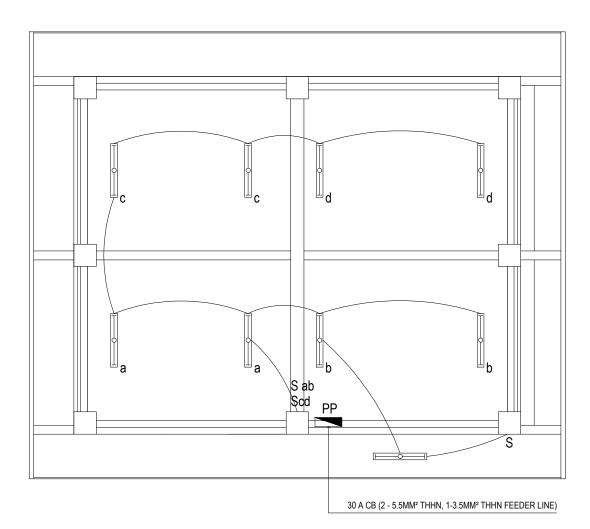








EXTENSION WAREHOUSE





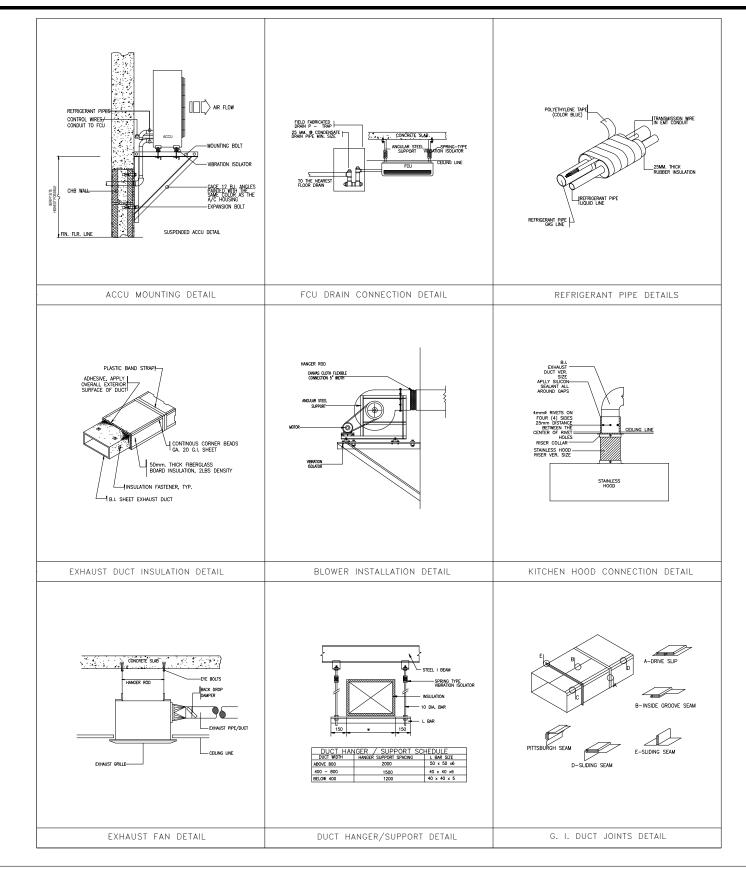
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JAY R. TRONCALES ARCHITECT UNIT 1100D V. MADRIGAL BLDG., AYALA AVE., MAKATI CITY 0917-5218025	PTR DATE PRC TIN	THE COPYRIGHT OF THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF THE ARCHITECT AND NO PORTION MAY 5E USED OR REPRODUCED WIO THE WRITTEN CONSENT OF THE ARCHITECT. ON NOT SCALE DRAWING. ALL DIMENSIONS ARE SHOWN IN METERS, ANY DISCREPANCY ON THIS SHEET MUST BE VERIFIED WITH THE ARCHITECT ANDOR THE ENGINEER.			PROPOSED OFFICE RENOVATION CMDC COMPOUND, CARLOS TRINIDAD AVE., SALAWAG DASMARINAS, CAVITE	DEPARTMENT OF TRADE & INDUSTRY BUREAU OF PRODUCT STANDARDS	(LIGHTING LAY-OUT (EXTENSION WAREHOUSE)	E 006	

GENERAL NOTES

- 1. ALL DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.
- 2. ALL DUCT DIMENSION INDICATE INSIDE CLEAR DIMENSION IN MILLIMETER.
- 3. ALL DUCTWORK TO BE FABRICATED IN ACCORDANCE WITH SMACNA STANDARDS.
- 4. CONSTRUCTION SHALL CONFORM TO LOCAL BUILDING CODES AND STANDARDS. SHOULD THE CONTRACTOR PERFORM ANY WORK THAT DOES NOT COMPLY WITH THE ABOVE, HE SHALL BEAR ALL COSTS ARISING IN CORRECTING THESE DEFICIENCIES.
- 5. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION AND RELEVANT DRAWINGS.
- 6. ALL OPENINGS FOR DUCTS & PIPES SHALL NOT IN ANYWAY PENETRATE A STRUCTURAL RIB ON BEAMS UNLESS OTHERWISE AUTHORIZED AND APPROVED.
- 7. ALL NECESSARY GOVERNMENT PERMITS SHALL BE SECURED AND PAID BY THE MECHANICAL CONTRACTOR.
- 8. THE PROSPECTIVE CONTRACTOR SHALL VISIT AND SURVEY THE PLACE OF INSTALLATION.
- 9. A/C DUCT INSULATION SHALL BE 25mm. ROCKWOOL INSULATION WITH ALUMINUM FOIL WRAPPING.

LEGEND AND SYMBOLS

TR	TONS OF REFRIGERATIONS
DC	DRAIN CONNECTION
KW	KILOWATTS
EF	EXHAUST FAN
HP	HORSEPOWER
SD	SPLITTER DAMPER
FCU	FAN COIL UNIT
SCD	SUPPLY CEILING DIFFUSER
SAD	SUPPLY AIR DUCT
RAG	RETURN AIR GRILLE
RAD	RETURN AIR DUCT
CFM	CUBIC FEET PER MINUTE
СМН	CUBIC METER PER HOUR
ACCU	AIR COOLED CONDENSING UNIT
BTU/HR	BRITISH THERMAL UNIT PER HOUR
	NEW 4-WAY SUPPLY CEILING DIFFUSER (300MM X 300MM)





OWNER

JAY R. TRONCALES

UNIT 1100D V. MADRIGAL BLDG., AYALA AVE., MAKATI CITY

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0917-5218025

PROPOSED OFFICE RENOVATION
CMDC COMPOUND, CARLOS TRINIDAD AVE., SALAWAG
DASMARINAS, CAVITE

PROJECT TITLE

DEPARTMENT OF TRADE & INDUSTRY BUREAU OF PRODUCT STANDARDS

SHEET CONTENTS SHEET NO.

GENERAL NOTES VARIOUS DETAILS

M 001

MECHANICAL

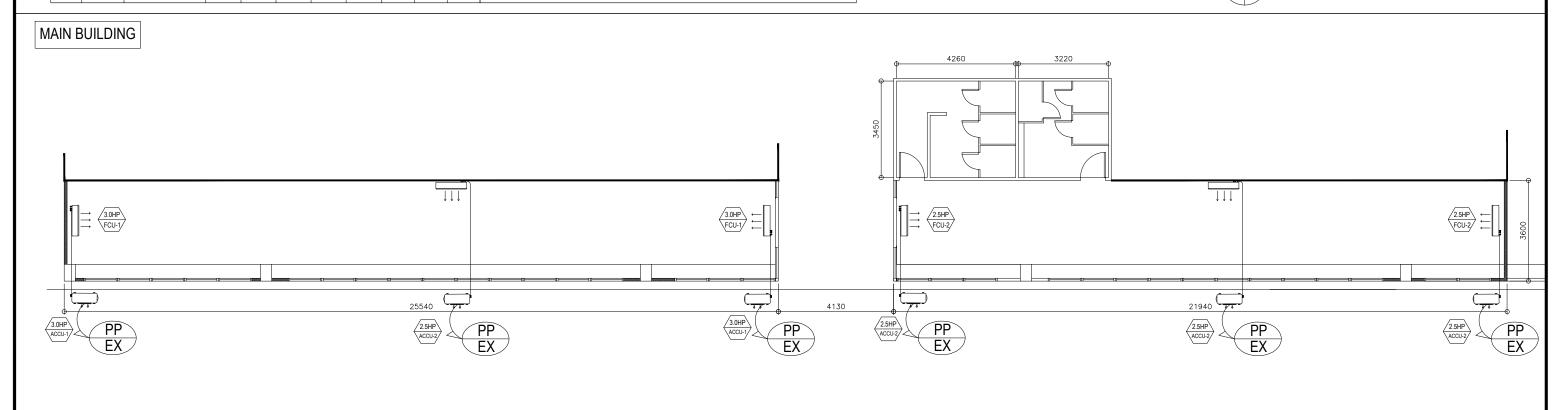
FAN COIL UNIT/AIR COOLED CONDENSING UNIT (DX INVERTER TYPE) FAN COIL UNIT

FAN COIL UNIT									AIR COOLED CONDENSING UNIT							
EQPT NO.	QTY.	TYPE	AREA SERVED	COOLING CAPACITY	AIRFLOW	DIMENSIONS,	OPERATING WEIGHT,	EQPT NO.	QTY.	DESCRIPTION	LOCATION	SYSTEM POWER INPUT	POWER	SUPPI	LY	REMARKS
				HP		HxWxD	KGS					WATTS	VOLTS	PH	HZ	
FCU-1	3	HI-WALL TYPE FREE BLOW,	MAIN OFFICE TL BUILDING — CEMENT LAB	3	229	290X1,050X238	20	ACCU-1		OUTDOOR UNIT MODEL	ACCU BANK	2,300	230	1	60	UNIT SHALL BE SUITABLE FOR OUTDOOR INSTALLATION PROVIDE WITH SAFETY DEVICES, TIMER MOTOR FOR COMPRESSOR, ANTI-CYCLING HIGH & LOW PRESSURE CONTROLS, VIBRATION
FCU-2	11	HI-WALL TYPE FREE BLOW,	MAIN OFFICE TL BUILDING — RECEPTION, PHY. TESTING RM, STAFF OFFICE, CONF. ROOM, M & F QUARTERS	2.5	229	290X1,050X238	20	ACCU-2		OUTDOOR UNIT MODEL	ACCU BANK	1,950	230	1	60	ISOLATORS AND OTHER STANDARD ACCESSORIES. SIMILAR TO MITSUBISHI INVERTER TYPE OR APPROVED EQUAL.
FCU-2	1	HI-WALL TYPE FREE BLOW,	TL - OFFICE	2	229	290X1,050X238	20	ACCU-3		OUTDOOR UNIT MODEL	ACCU BANK	1,950	230	1	60	UNIT SHALL BE HI-WALL TYPE, FREE BLOW COMPLETE WITH WASHABLE TYPE AIR FILTERS, FITTINGS, VIBRATION ISOLATORS, SECONDARY
FCU-3	3	HI-WALL TYPE FREE BLOW,	TL — SAMPLE PREP ROOM, DATA CENTER, PANTRY	1.5	229	290X1,050X238	15	ACCU-4		OUTDOOR UNIT MODEL	ACCU BANK	1,200	230	1	60	DRAIN PAN AND OTHER STANDARD ACCESSORIES. SIMILAR TO MITSUBISHI INVERTER TYPE OR APPROVED EQUAL.
FCU-4	1	HI-WALL TYPE FREE BLOW,	TL - SAMPLE STORAGE ROOM	1	229	290X1,050X238	15	ACCU-5		OUTDOOR UNIT MODEL MITSUBISHI BRAND	ACCU BANK	1,000	230	1	60	

VENTILATING EQUIPMENT

QTY. UINIT AREA SERVED		ADEA CEDVED	AIR FLOW QUANTITY		ITITY TOTAL STATIC PRESSURE		MOTOR DRIVE ELECTRICAL CHARACTERISTICS		TERISTICS	- REMARKS	
QII.	DESIGNATION	ANLA SLIVED	CFM	СМН	Pa.	INCH	HP	VOLTS	PHASE	CYCLE	K E M A K N S
1	EB	CEMENT LAB, PHYSICAL TESTING ROOM	2,600	4,420	386	1.50	3	220	1	60Hz	UNIT SHALL BE CEILING MOUNTED, CENTRIFUGAL TYPE COMPLETE WITH BLOWER WHEEL SISW, BACKWARD CURVE, 1750 RPM, TEFC MOTOR, SPRING TYPE VIBRATION ISOLATOR, GREASE FITTING, BELT GUARD AND OTHER STANDARD ACCESSORES, SIMILAR TO INDOLA, ALEJA, FILGEN OR EQUIVALENT.
1	FAB	CEMENT LAB, PHYSICAL TESTING ROOM	2,080	3,536	321	1.25	2	220	1	60Hz	UNIT SHALL BE CEILING MOUNTED, CENTRIFUGAL TYPE COMPLETE WITH BLOWER WHEEL SISW, FORWARD CURVE, 1750 RPM, TEFC MOTOR, SPRING TYPE VIBRATION ISOLATOR, GREASE FITTING, BELT CUARD, 80%-85% WASHABLE TYPE AIR FILTERS AND OTHER STANDARD ACCESSORIES. SIMILAR TO INDOIL, ALEJA, FILGEN OR EQUIVALEN.
1	EB	HOT AREA	2,080	3,536	321	1.25	2	220	1	60Hz	UNIT SHALL BE CEILING MOUNTED, CENTRIFUGAL TYPE COMPLETE WITH BLOWER WHEEL SISW, BACKWARD CURVE, 1750 RPM, TEPC MOTOR, SPRING TYPE VIBRATION ISOLATOR, GREASE FITTING, BELT GUARD AND OTHER STANDARD ACCESSORIES. SIMILAR TO INDOLA, ALEJA, FILGEN OR EQUIVALENT.
1	FAB	HOT AREA	1,400	2,560	214	1.25	1.5	220	1	60Hz	UNIT SHALL BE CEILING MOUNTED, CENTREUGAL TYPE COMPLETE WITH BLOWER WHEEL SISW, FORWARD CURVE, 1750 RPM, TEFC MOTOR, SPRING TYPE VIBRATION ISOLATOR, GREASE FITTING, BELT GUARD, 80%-85% WASHABLE TYPE AIR FILTERS AND OTHER STANDARD ACCESSORIES. SIMILAR TO INDOLA, ALEJA, FILCEN OR EQUIVALENT.
4	EF	TOILETS	150	225	64	0.25	0.044	220	1ø		UNIT SHALL BE CEILING MOUNTED, DUCTED TYPE COMPLETE WITH BACKFLOW DAMPER SIMILAR TO INDOLA MODEL OR APPROVED EQUAL.

SCHEDULE OF NEW EQUIPMENT
M | 01 | SCALE | NTS



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PROJECT TITLE

JAY R. TRONCALES
ARCHITECT

0917-5218025

UNIT 1100D V. MADRIGAL BLDG., AYALA AVE., MAKATI CITY

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PROPOSED OFFICE RENOVATION
CMDC COMPOUND, CARLOS TRINIDAD AVE., SALAWAG DASMARINAS, CAVITE

DEPARTMENT OF TRADE & INDUSTRY BUREAU OF PRODUCT STANDARDS

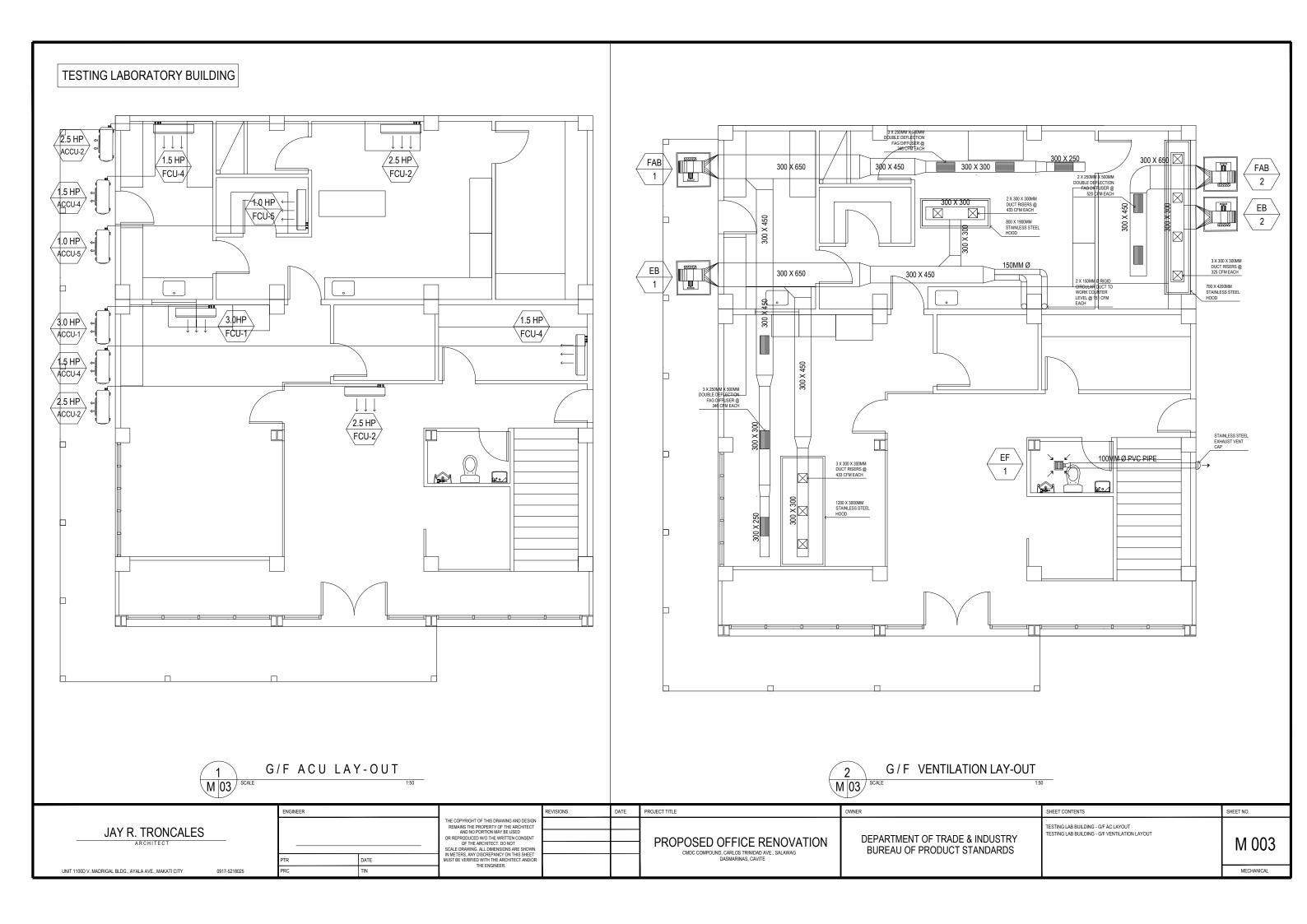
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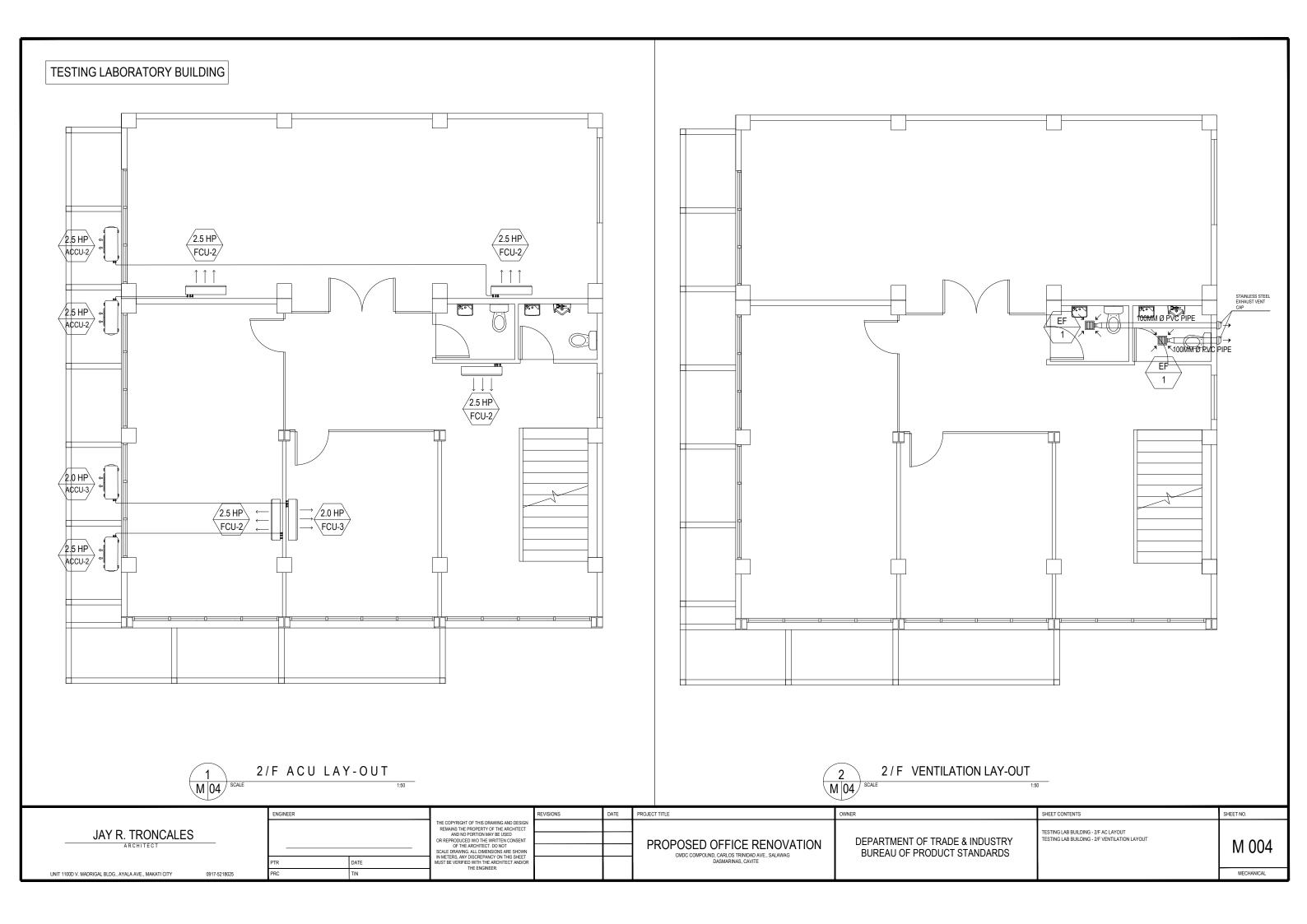
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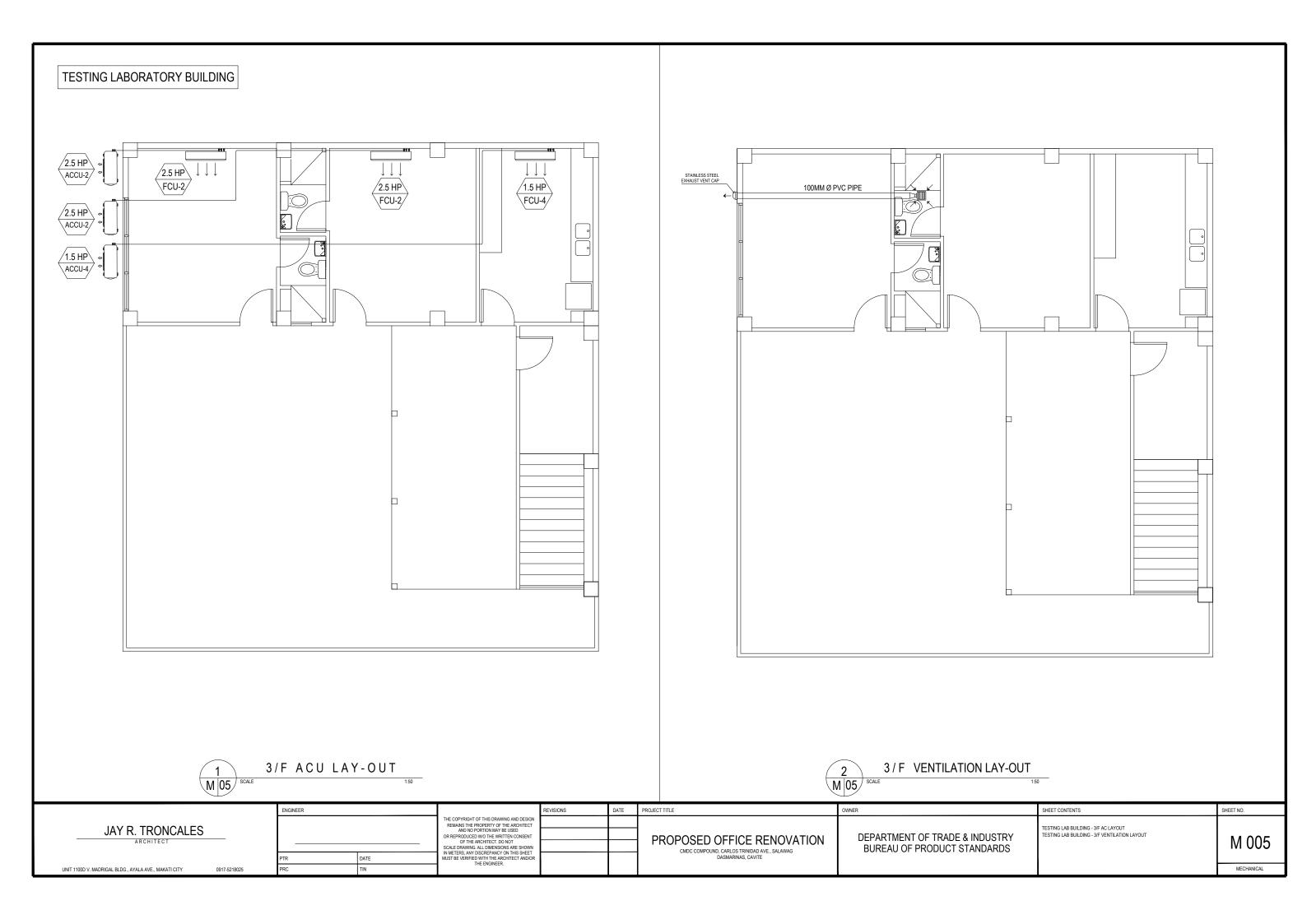
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M 002

SHEET NO.







GENERAL NOTES

- ALL PLUMBING WORKS INCLUDED HEREIN SHALL BE EXECUTED ACCORDING
 TO THE PROVISIONS OF THE PHIL. PLUMBING CODE. THE NATIONAL
 PLUMBING CODE & THE RULES & REGULATIONS OF MANILA CITY.
- COORDINATE THE DRAWING WITH OTHER RELATED DRAWINGS AND SPECIFICATION.
 THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND
 THEREIN
- 3. 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.
- SIZE OF WATER SUPPLY PIPES TO FIXTURES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
- 6. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AT SITE,
 COORDINATE THE WORKS WITH THE SEWER LINE EFFLUENT DISPOSAL POINT
 AND WATER LINE SERVICE CONNECTING POINT UNLESS OTHERWISE
 SPECIFIED.

MATERIAL SPECIFICATIONS:

WATER LINES ALL WATER LINES SHALL POLYPROPYLENE (PPR) OF REPUTABLE BRAND WITH

FUSION TYPE JOINTS

SEWER LINES ALL SEWER LINES SHALL BE uPVC PIPES "NELTEX" BRAND OR APPROVED

EQUAL.

FLOOR DRAIN "UNILEX", MODEL U623, "JAMAN" OR APPROVED EQUAL.

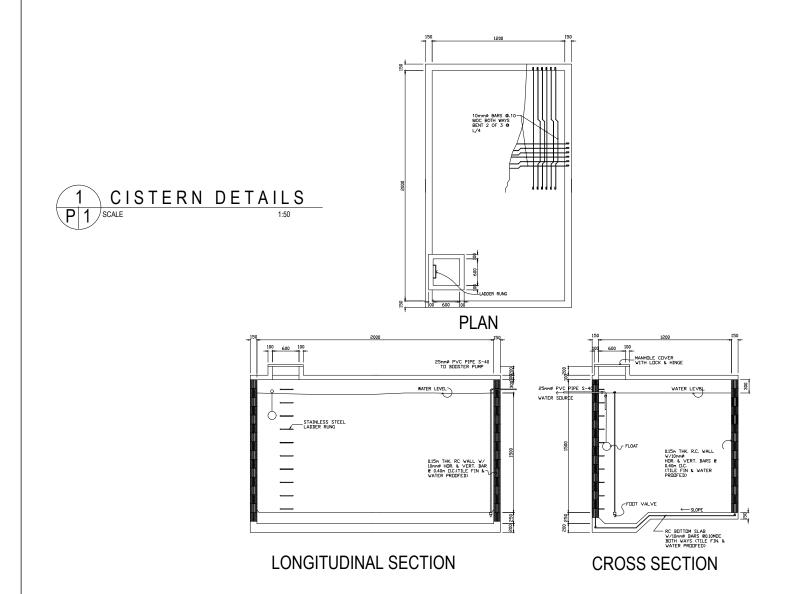
CLEANOUT "UNILEX", MODEL U 309 "JAMAN" OR APPROVED EQUAL.

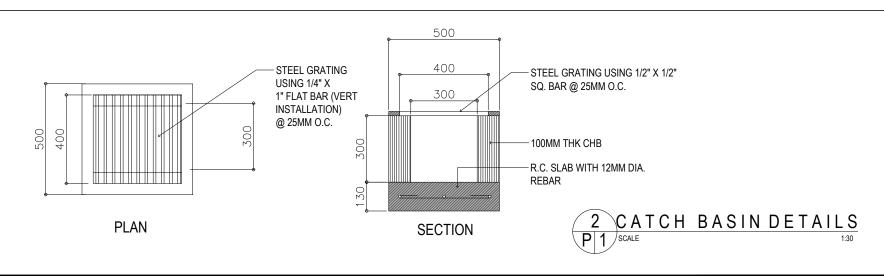
NOTES: - VERIFY ALL EXISTING MATERIAL SPECIFICATIONS.

- ALL MATERIALS SHOULD FOLLOW EXISTING MATERIALS.

LEGEND:

CO	CLEAN OUT	KS	KITCHEN SINK
FD	FLOOR DRAIN	CISP	SHOWER DRAIN
SD	SHOWER DRAIN	SS	SOIL STACK
WC	WATER CLOSET	CWL	COLD WATER LINE
LAV	LAVATORY	CWDF	COLD WATER DOWN FEED
SH	SHOWER HEAD	CIGT	CAST IRON GREASE TRAP
GV	GATE VALVE		





JAY R. TRONCALES

ARCHITECT

PROMODITION OF THE ADDITION OF THE ARCHITECT AND IN DEPARTMENT OF TRADE & INDUSTRY BUREAU OF PRODUCT STANDARDS

PRODUCT STANDARDS

PROJECT TITLE

PROPOSED OFFICE RENOVATION OF TRADE & INDUSTRY BUREAU OF PRODUCT STANDARDS

PROPOSED OFFICE RENOVATION OF TRADE & INDUSTRY BUREAU OF PRODUCT STANDARDS

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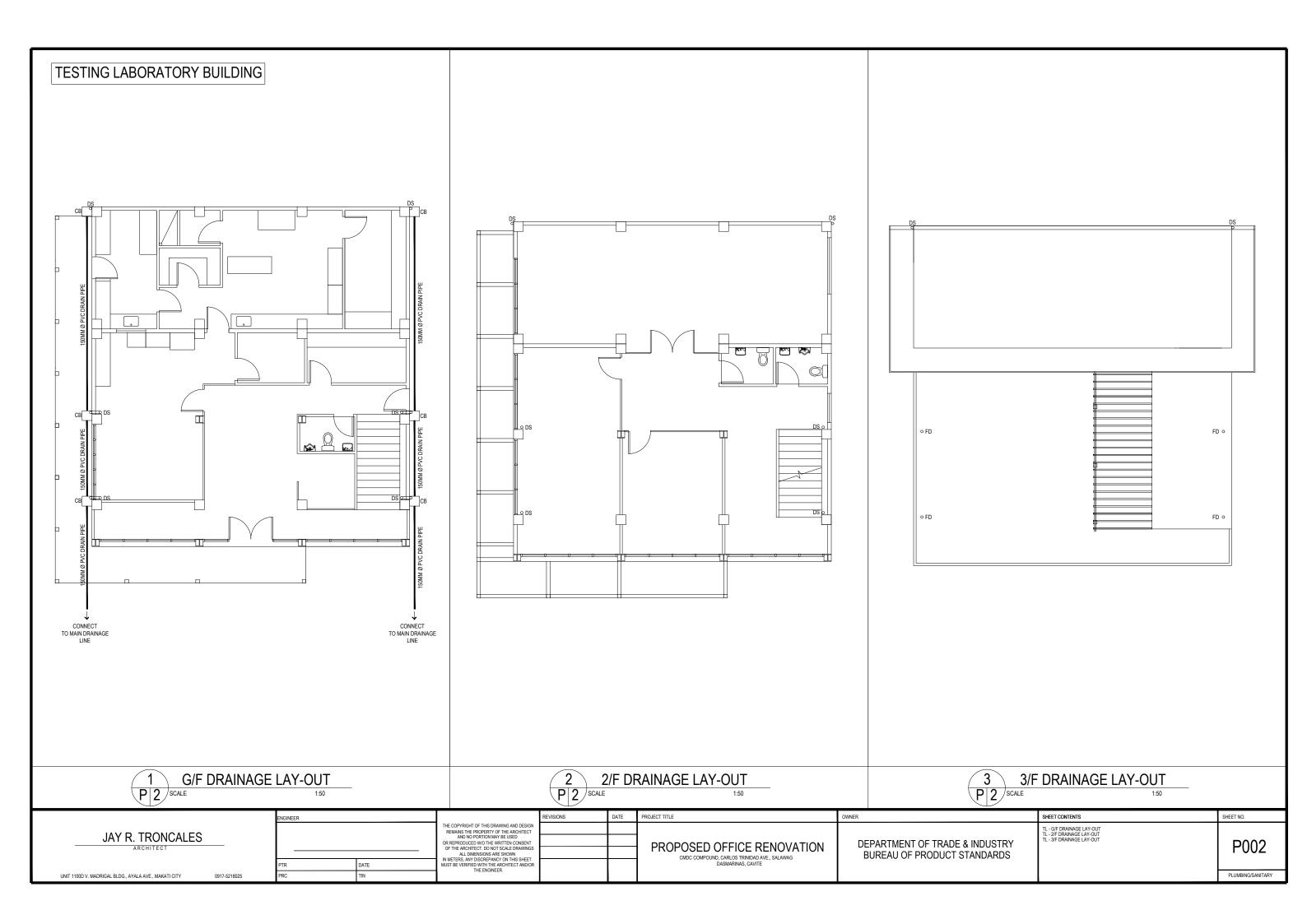
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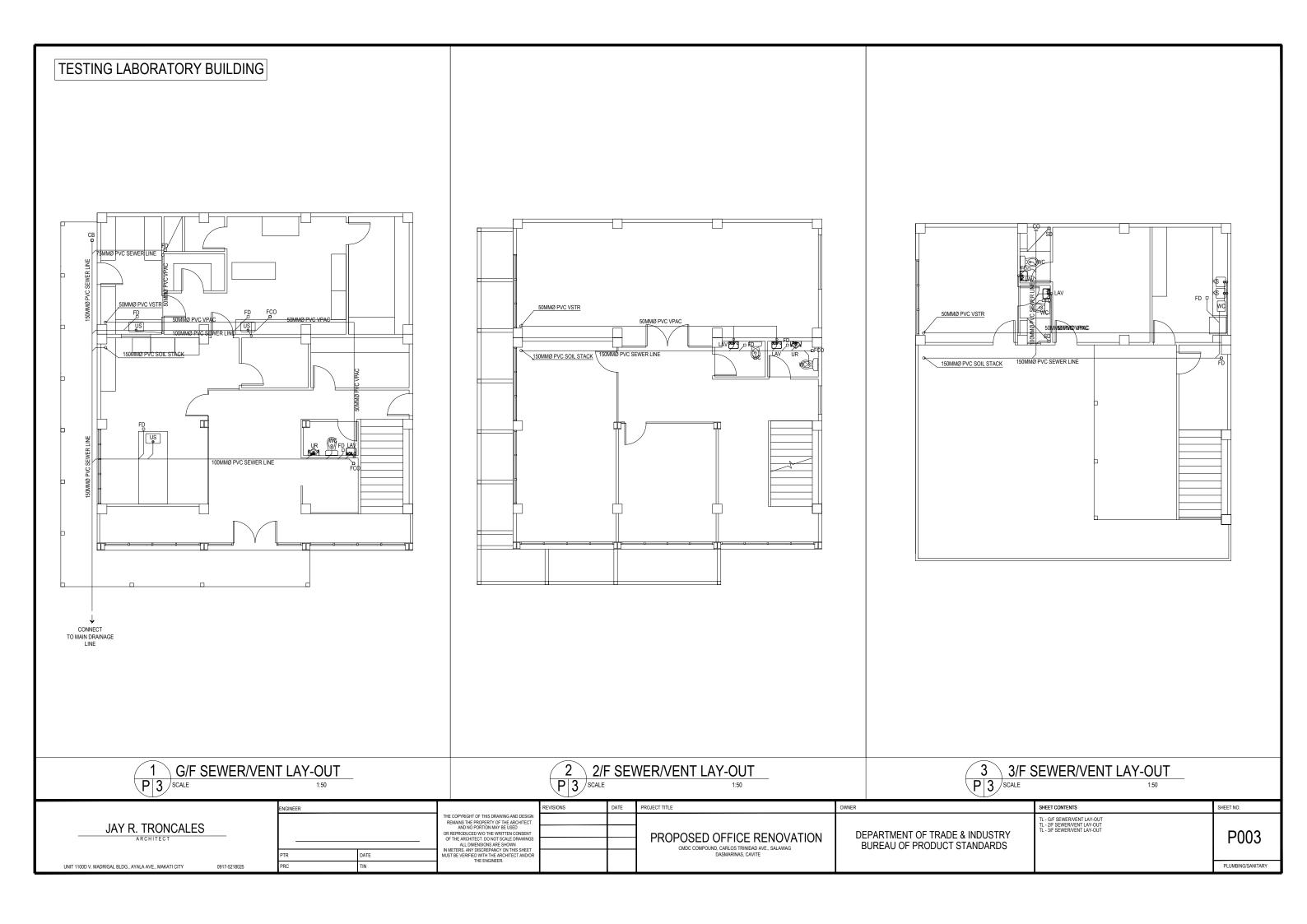
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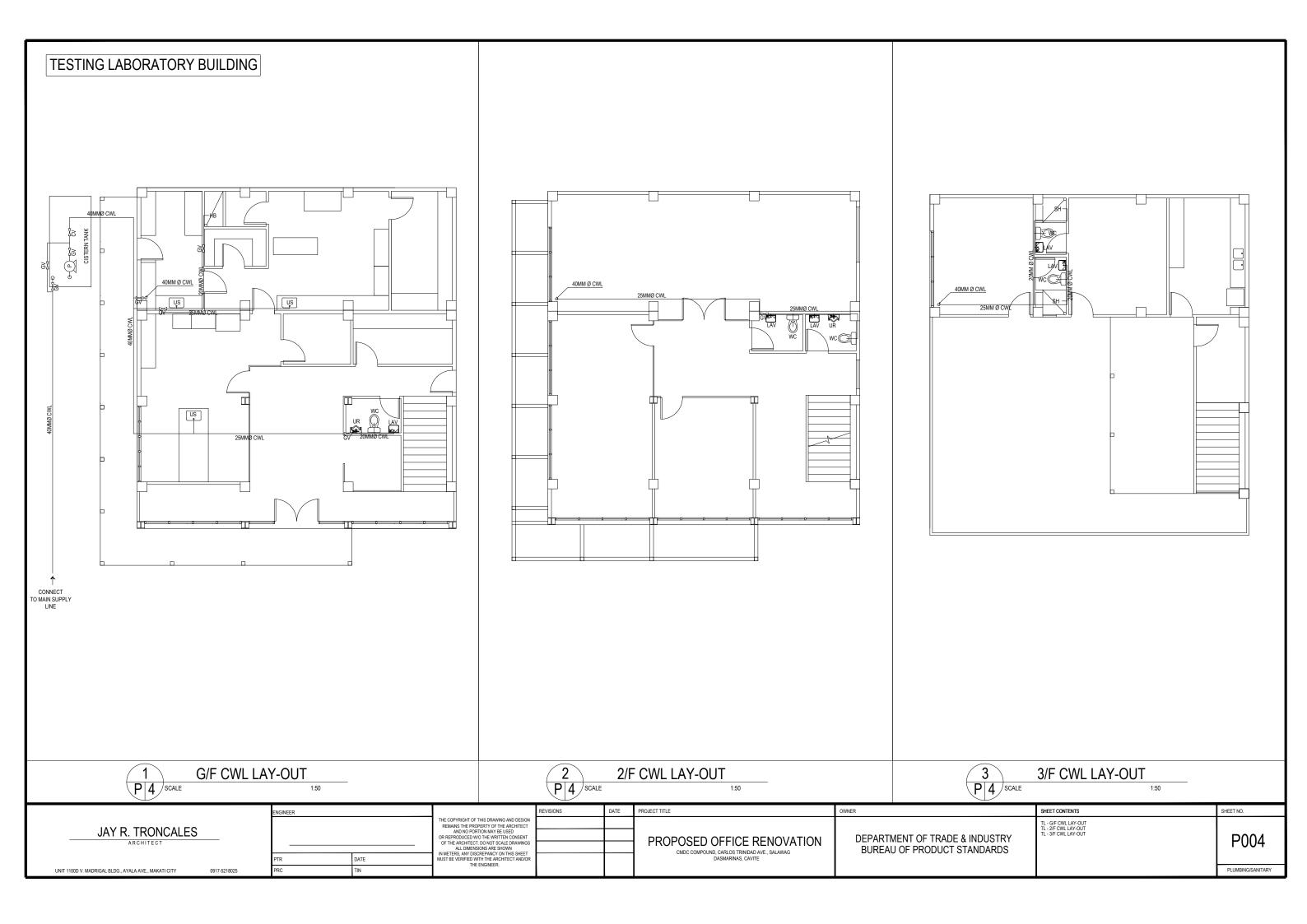
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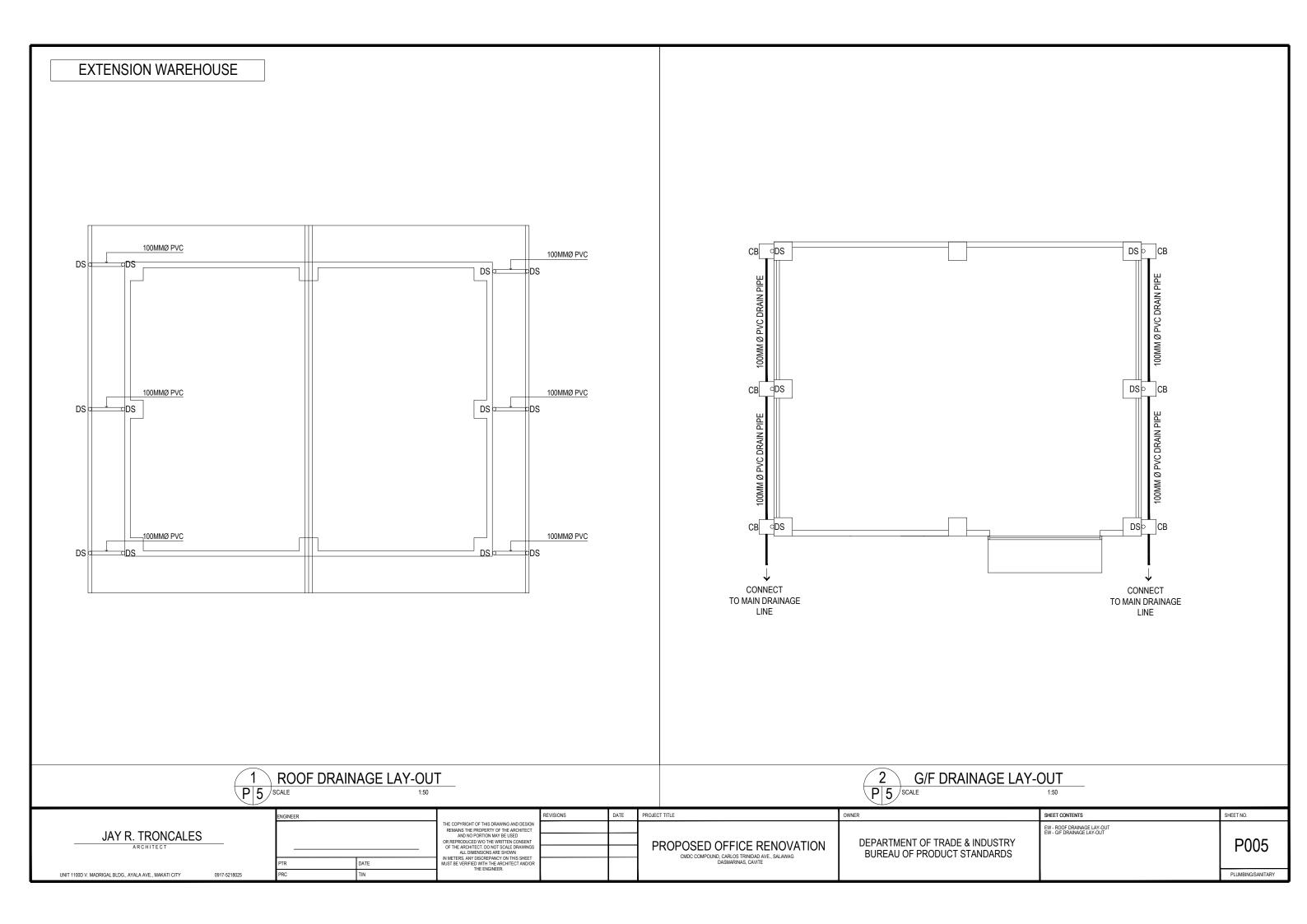
PROPOSED OFFICE RENOVATION OF TRADE & INDUSTRY BUREAU OF PRODUCT STANDARDS

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GENERAL CONSTRUCTION NOTES

GENERAL NOTES

- 1. IN THE INTERPRETATION OF THE DRAWING, INDICATED DIMENSIONS SHALL GOVERN AND DISTANCES AND SIZES SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES.
- 2. IN REFERENCE IN THE OTHER DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR DEPRESSIONS IN FLOOR SLABS, OPENINGS IN THE WALLS AND SLABS, INTERIOR PARTIONS, LOCATION OF DRAINS ETC.
- 3. IN CASE OF DISCREPANCIES AS TO THE LAYOUT, DIMENSIONS, AND ELEVATIONS BETWEEN THE STRUCTURAL PLANS, AND ARCHITECTURAL DRAWINGS, THE CONTRACTOR SHALL NOTIFY BOTH THE STRUCTURAL ENGINEER AND THE ARCHITECT.
- ALL CONCRETE SHALL BE DONE IN ACCORDANCE WITH THE ACI. 318 95 BUILDING CODE REQUIREMENTS FOR REINFORCEMENT CONCRETE AND ALL STRUCTURAL STEEL WORK ACCORDING WITH AISC SPECIFICATION (9TH EDITION) IN SO FAR AS THEY DO NOT CONFLICT WITH THE LOCAL BUILDING CODE REQUIREMENT.
- 5. ACI REFERS TO AMERICAN CONCRETE INSTITUTE, AISC TO AMERICAN INSTITUTE OF STEEL CONSTRUCTION AND ASTM TO AMERICAN SOCIETY FOR TESTING MATERIALS
- 6. CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS OTHERWISE SHOWN OR NOTED. MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.
- 7. SHOP DRAWINGS WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL STEELS, MISCELLANEOUS IRON, PRE-CAST CONCRETE, ETC. SHALL BE SUBMITTED FOR ENGINEER'S APPROVAL BEFORE FABRICATION.
- 8. CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, STOOLS, EQUIPMENT'S, AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS.
- ALL RESULTS OF MATERIAL TESTING FOR CONCRETE, REINFORCING BARS, & STRUCTURAL STEEL MUST BE NOTED AND APPROVED BY THE STRUCTURAL DESIGNER.

NOTES ON FOOTING

- 1. CONTRACTOR SHALL REPORT TO THE ENGINEER, IN WRITING, THE ACTUAL SOIL CONDITIONS UNCOVERED AND CONFIRM ACTUAL BEARING CAPACITY OF SOIL BEFORE DEPOSITING CONCRETE.
- 2. FOOTING SHALL REST AT LEAST 1500MM BELOW NATURAL GRADE LINE UNLESS OTHERWISE INDICATED IN PLANS. NO FOOTING
- 3. MINIMUM CONCRETE PROTECTION FOR REINFORCEMENTS SHALL BE 75MM CLEAR FOR CONCRETE DEPOSITED THE GROUND AND 50MM FOR CONCRETE DEPOSITED AGAINST A FORMWORK

NOTES ON REINFORCEMENT

- 1. UNLESS OTHERWISE NOTED IN PLANS, THE YIELD STRENGTH OF REINFORCING BARS SHALL BE:
- a FOOTINGS BEAMS AND GIRDERS ----- fv=275 MPa (40 000 psi) b. COLUMNS AND SHEAR WALLS ----- fy=275 MPa (40,000 psi)
- c. BEAMS AND GIRDER ------ fy=275 MPa (40,000 psi)
- d. NON-LOAD BEARING WALL PARTITIONS, BEDDED SLABS, FLOOR AND ROOF SLABS, PARAPETS, CATCH BASIN, SIDEWALK. ----- fy=227.5 MPa (33,000 psi)
- 2. ALL REINFORCING BAR SIZE 10MM OR LARGER SHALL DEFORMED IN ACCORDANCE WITH ASTM A 706. BARS SMALLER THAN 10MM MAY BE PAIN.
- 3. SPLICES SHALL BE SECURELY WIRED TOGETHER & SHALL LAP OR EXTEND IN ACCORDANCE WITH TABLE A & TABLE B (TABLE OF LAP SPLICE & ANCHORAGE LENGTH) UNLESS OTHERWISE SHOWN ON DRAWINGS, SPLICES SHALL BE STAGGERED WHENEVER POSSIBLE

NOTES ON CONCRETE MIXES & PLACING

1. ALL CONCRETE SHALL DEVELOP A MIN. COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS WITH CORRESPONDING MAXIMUM SIZE AGGREGATE & SLUMPS AS FOLLOWS.

LOCATION	28 DAYS STRENGTH	MAX. SIZE OF AGGREGATE	MAX. SLUMI
ALL OTHERS, INCLUDING SUSPENDED SLABS	4000 PSI (27.6 MPa)	20mm	100mm
COLUMNS	4000 PSI (27.6 MPa)	20mm	100mm
BEAMS, SLABS	4000 PSI (27.6 MPa)	20mm	100mm
SLAB ON FILL	4000 PSI (27.6 MPa)	20mm	100mm

2 MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS

SUSPENDED SLABS		20MM
SLAB ON GRADE		40MM
WALLS ABOVE GRADE		25MM
BEAMS STIRRUPS AND COLU	MN TIES	40MM
WHERE CONCRETE IS EXPOS	SED TO EARTH BUT POURED AGAINST FOR	50MM
WHERE CONCRETE IS DEPOS	SITED DIRECTLY AGAINST EARTH	75MM

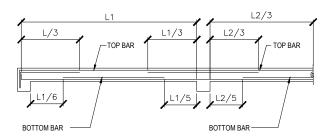
- 3. CONCRETE SHALL BE DEPOSITED IN ITS FINAL POSITION WITHOUT SEGREGATION. RE-HANDLING OR PLACING SHALL BE DONE PREFERABLY WITH BUGGIES, BUCKETS OR WHEELBARROWS OR BUCKETS IN WHICH CASE THEY SHALL NOT EXCEED SIX (6) METERS IN AGGREGATE LENGTH.
- 4. NO DEPOSITING OF CONCRETE SHALL BE ALLOWED WITHOUT THE USE OF VIBRATORS UNLESS AUTHORIZED IN WRITING BY THE DESIGNERS AND ONLY FOR UNUSUAL CONDITIONS WHERE VIBRATIONS ARE EXTREMELY DIFFICULT TO
- 5. ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERT, SHALL BE PROPERLY POSITIONED & SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.
- THE USE OF WET BURLAP, FOG SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS.
- 7. STRIPPING OF FORMS AND SHORES:

FOUNDATIO	V	24HRS.
SUSPENDED	SLAB EXCEPT WHEN ADDITIONAL LOADS ARE IMPOSED	8DAYS
WALLS		21DAYS
BEAMS		14DAYS
COLUMNS		21DAYS

- 8. THE CONTRACTOR SHALL SUBMIT THE SCHEDULE OF POURING AND THE LOCATION OF THE CONSTRUCTION JOINTS TO THE STRUCTURAL ENGINEER AT LEAST (4) DAYS PRIOR TO THE POURING FOR APPROVAL.
- 9. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ADEQUATE FORMS AND SHORING UNTIL THE CONCRETE MEMBERS HAVE ATTAINED THEIR WORKING CONDITION AND STRENGTH.

NOTES ON CONCRETE SLABS

- 1. ALL SLAB REINFORCEMENTS SHALL BE 20MM CLEAR MINIMUM FROM BOTTOM AND FROM THE TOP OF SLAB.
- 2. UNLESS OTHERWISE SHOWN, REINFORCEMENT IN CONTINUOUS ELEVATED SLAB SHALL BE CUT AS FOLLOWS:

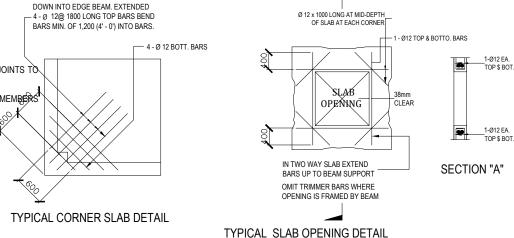


TYPICAL BAR BENDING AND CUTTING DETAILS FOR SLABS

- 3. IF SLABS ARE REINFORCED BOTH WAYS BARS ALONG THE SHORTER SPAN SHALL BE PLACED BELOW THOSE ALONG THE LONG SPAN AT THE CENTER AND OVER THE LONGER SPAN FOR REINFORCING BARS NEAR THE SUPPORTS. THE SPACING OF THE BARS AT THE COLUMN STRIPS SHALL NOT BE MORE THAN ONE AND A HALF (1 ½) SLAB THICKNESS.
- 4. TEMPERATURE BARS FOR SLAB SHALL BE GENERALLY PLACE NEAR THE FACE IN TENSION AND SHALL NOT BE LESS THAN 0.0025 X GROSS

SCHEDULE OF MINIMUM SLAB REINFORCEMENT								
THICKNESS	MINIMUM TEMPERATURE BARS							
100 mm	10 mm Ø @ 250 EACH WAY							
125 mm	10 mm Ø @ 225 EACH WAY							
150 mm	10 mm Ø @ 185 EACH WAY							
175 mm	10 mm Ø @ 150 EACH WAY							
200 mm	10 mm Ø @ 140 EACH WAY							

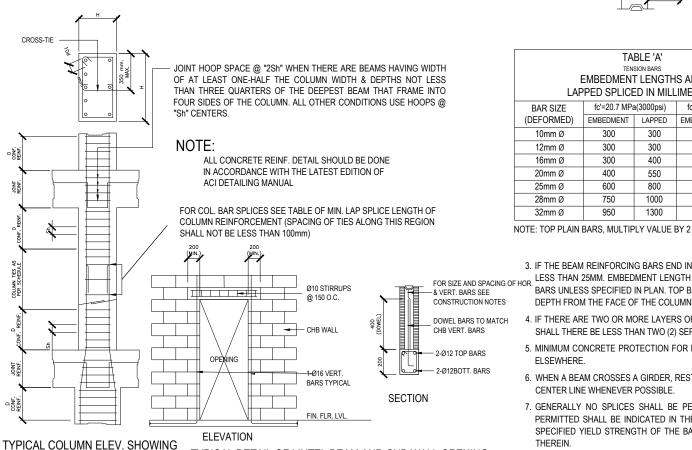
- 6. ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF SEVEN CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BLAB AND CONSTRUCTION JOINTS FOR SAME SHALL BE LESS THAN 3.65 METER APART
 - 6. PROVIDE EXTRA REINFORCEMENTS FOR CORNER SLAB (TWO ADJACENT DISCONTINUOUS EDGES) AS SHOWN BELOW.
 - 7. CONCRETE SLAB REINFORCEMENTS SHALL BE PROPERLY SUPPORTED WITH 10 Ø STEEL CHAIR OR APPROVED EQUIVALENT SPACED AT 1.0 METER ON CENTER BOTHWAYS.



			REVISIONS	DATE	PROJECT TITLE	OWNER	SHEET CONTENTS	SHEET NO.
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NOTES ON COLUMNS

- 1. PROVIDE EXTRA SETS OF TIES AT 100MM O.C. FOR THE TIED COLUMN REINFORCEMENT ABOVE AND BELOW BEAM-COLUMN CONNECTIONS FOR A DISTANCE FROM FACE OF CONNECTION EQUAL TO THE GREATER OF OVERALL THICKNESS OF COLUMN, 1/6 THE CLEAR HEIGHT OF COLUMN OR 450MM.
- 2. COLUMN TIES SHALL BE PROTECTED EVERYWHERE BY A COVERING OF CONCRETE CAST MONOLITHICALLY WITH THE CORE WITH THE MINIMUM THICKNESS OF 40MM AND NOT LESS THAN 40 TIMES MAXIMUM SIZE OF COARSE AGGREGATE IN MILLIMETRES
- 3. WHERE COLUMN CHANGE IN SIZE, VERTICAL REINFORCEMENTS SHALL BE OFFSET AT A SLOPE OF NOT MORE THAN 1 IN 6 AND EXTRA 10MM TIES AT 100MM SHALL BE PROVIDED THRU OUT THE OFFSET REGION.
- 4. UNLESS OTHERWISE INDICATED IN THE PLANS, LAP SPLICES FOR VERTICAL COLUMN REINFORCEMENT SHALL BE WITHIN THE CENTER HALF OF COLUMN HEIGHT, AND THE SPLICE LENGTH SHALL NOT BE WITHIN THE CENTER HALF OF COLUMN HEIGHT, AND THE SPLICE LENGTH SHALL NOT BE LESS THAN 40 BAR DIAMETERS. WELDING OR APPROVED MECHANICAL DEVICES MAY BE USED PROVIDED THAT NOT MORE THAN ALTERNATE BARS ARE WELDED OR MECHANICALLY SPLICED AT ANY LEVEL AND THE VERTICAL DISTANCES BETWEEN THESE WELDS OR SPLICES OF ADJACENT BARS IS NOT LESS THAN 600mm.



DOWELS AND TIES SPACING

12 THK. EXPANSION JOINT

FOR SIZE AND SPACING

CORNER WALL

OF HOR. & VERT. BARS SEE CONSTRUCTION NOTES.

TYPICAL DETAIL OF LINTEL BEAM AND CHB WALL OPENING

12 THICK, EXPANSION JOINT

OF HOR & VERT BARS

-CHR WALL

INSERTION WALL

R.C. COLUMN OR WALL

DOWEL BARS TO MATCH CHB HOR. BARS

12 THK, EXPANSION JOINT

400 (DOWEL)

INTERSECTING R.C. COL. OR WALL

WITH MASTIC FILLER

GENERAL CONSTRUCTION NOTES

NOTES ON BEAMS AND GIRDERS

- 1. UNLESS, OTHERWISE NOTED IN PLANS, CAMBER ALL BEAMS AND GIRDER AT LEAST 6MMØ FOR EVERY 4.50M OF SPAN, EXCEPT CANTILEVERS FOR WHICH THE CAMBER SHALL BE AS NOTED IN PLANS OR AS ORDERED BY THE ENGINEER BUT IN NO CASE LESS THAN 20MM FOR EVERY 3.0M OF FREE SPAN.
- 2. TYPICAL BARS BENDING AND CUTTING DETAILS FOR BEAMS SHALL AS SHOWN IN FIG. B-1.

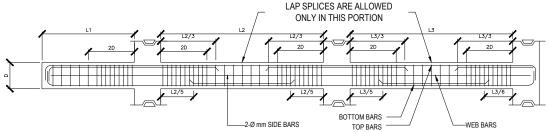


TABLE A												
TENSION BARS												
EMBEDMENT LENGTHS AND												
LAPPED SPLICED IN MILLIMETERS												
BAR SIZE	fc'=20.7 MPa	a(3000psi)	fc'=27.6 MPa	a(4000psi)								
(DEFORMED)	EMBEDMENT	LAPPED	EMBEDMENT	LAPPED								
10mm Ø	300	300	300	300								
12mm Ø	300	300	300	300								
16mm Ø	300	400	300	400								
20mm Ø	400	550	350	500								
25mm Ø	600	800	550	750								
28mm Ø	750	1000	650	850								
32mm Ø	850	1100										

NOTES

TADLETA

TABLE 'B' COMPRESSION BAR EMBEDMENT LENGTHS AND LAPPED SPLICED IN MILLIMETERS

BAR SIZE	fc'=20.7 MPa	a(3000psi)	fc'=27.6 MPa	a(4000psi)
(DEFORMED)	EMBEDMENT	LAPPED	EMBEDMENT	LAPPED
10mm Ø	225	300	200	300
12mm Ø	275	300	250	300
16mm Ø	350	400	325	400
20mm Ø	450	500	475	500
25mm Ø	550	625	550	625
28mm Ø	625	675	625	675
32mm Ø	700	775	700	775

NOTE: TOP PLAIN BARS, MULTIPLY VALUE BY 2 VALUES GIVEN ABOVE CAN ALSO BE USED

- 3. IF THE BEAM REINFORCING BARS END IN A WALL THE CLEAR DISTANCE FROM THE BAR TO THE FARTHER FACE OF THE WALL NOT BE LESS THAN 25MM. EMBEDMENT LENGTH SHALL BE AS SHOWN IN A TABLE 'A' FOR TENSION BARS AND TABLE 'B' FOR COMPRESSION RARS LINEESS SPECIFIED IN PLAN. TOP BAR SHALL NOT BE SPLICED WITHIN THE COLLIMN OR WITHIN A DISTANCE TWICE THE MEMBER DEPTH FROM THE FACE OF THE COLUMN. AT LEAST TWO STIRRUPS SHALL BE PROVIDED AT ALL SPLICES.
- 4. IF THERE ARE TWO OR MORE LAYERS OF REINFORCING BARS, USE 25Ø BAR SEPARATORS SPACED AT 1.0M ON CENTER. IN NO CASE SHALL THERE BE LESS THAN TWO (2) SEPARATORS BETWEEN TWO LAYERS OF BARS
- 5. MINIMUM CONCRETE PROTECTION FOR REINFORCING BARS OR STEEL SHAPES SHALL BE AS SHOWN IN FIG. B-2 UNLESS SPECIFIED
- 6. WHEN A BEAM CROSSES A GIRDER, REST BEAM ON TOP OF GIRDER BARS, BEAMS REINFORCING BAR SHALL BE SYMMETRICAL ABOUT CENTER LINE WHENEVER POSSIBLE.
- 7. GENERALLY NO SPLICES SHALL BE PERMITTED AT POINTS WHERE CRITICAL BENDING STRESSES OCCUR. SPLICES WHERE SO PERMITTED SHALL BE INDICATED IN THE TABLE 'A' AND 'B'. WELDED SPLICES SHALL DEVELOP IN TENSION AT LEAST 125% OF THE SPECIFIED YIELD STRENGTH OF THE BAR. NOT MORE THAN 50% OF THE BARS AT ANY ONE SECTION IS ALLOWED TO BE SPLICED

NOTES ON CONCRETE HOLLOW BLOCK WALLS

- 1. UNLESS OTHERWISE SHOWN IN PLANS ALL CONCRETE HOLLOW BLOCKS AND CERAMIC BLOCKS SHALL BE REINFORCED AS SHOWN IN THE SCHEDULE OF CONCRETE HOLLOW BLOCKS AND CERAMIC BLOCK REINFORCEMENT
- 2. PROVIDE 150MM X 300MM STIFFENER COLUMN REINFORCED WITH 4-12MM WITH 6MMØ TIES AT 150 ON CENTER WHERE CONCRETE HOLLOW BLOCK TERMINATES AND AT EVERY 3.0M LENGTH OF CONCRETE HOLLOW BLOCK WALLS UNLESS NOTED IN STRUCTURAL PLANS

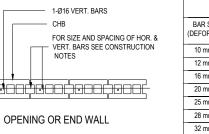
SCHEDULE OF CONCRETE HOLLOW BLOCK AND CERAMIC BLOCK REINFORCEMENT											
BLOCK THICKNESS	REINFOF	NOTES									
	HORIZONTAL	VERTICAL	A. MINIMUM LAPS AT SPLICE = 0.22M B. PROVIDE RIGHT ANGLED REINFORCEMENT AT CORNERS 0.92M								
75mm	10mmØ @ 600mm O.C.	10mmØ @ 600mm O.C.	LONG C. WHERE CHB OR CER. BLK. WALL								
125mm	10mmØ @ 600mm O.C.	10mmØ @ 600mm O.C.	DOWELS JOIN COL. R.C. BEAMS AND WALL DOWELS WITH THE SAME SIZE								
150mm	10mmØ @ 600mm O.C.	10mmØ @ 600mm O.C.	AS VERT. OR HOR. REINFORCEMENTS SHALL BE PROVIDED								
200mm	12mmØ @ 600mm O.C.	12mmØ @ 600mm O.C.									

IN CONCRETE BLOCK WALLS REINFORCING CONCRETE LINTEL BEAM IN CONCRETE BLOCK WALLS

	LINTEL IN BLOCK WALLS													
CLEAR	TOTAL	MIN. fc'	REINFORGEIVIENT			CEMENT								
SPAN ("L")	(L+0.40M)	(MPA)	LINVILL (IVIIVI)	воттом	TOP	STIRRUPS								
1.20M	1.60M		200	1-Ø10	1-Ø10	Ø6mm @ 200mm								
150M	1.90M	14.0	200	1-Ø10	1-Ø10	Ø6mm @ 200mm								
1.80M	2.20M		200	1-Ø12	1-Ø10	Ø6mm @ 200mm								
2.10M	2.50M		250	1-Ø12	1-Ø10	Ø6mm @ 200mm								
2.40M	2.90M	17.0	250	1-Ø12	1-Ø10	Ø6mm @ 200mm								
2.70M	3.10M		250.	1-Ø16	1-Ø12	Ø10mm @ 200mm								
3.00	3.40M		300	1-Ø16	1-Ø12	Ø10mm @ 200mm								
3.30	3.70M	20.0	300	1-Ø16	1-Ø12	Ø10mm @ 200mm								
3.60	4.00		300	1-Ø20	1-Ø12	Ø10mm @ 200mm								

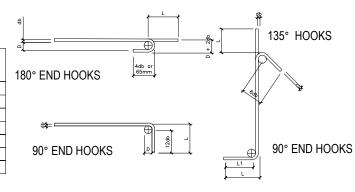
NOTES OF STIRRUPS

- 1. ALL REINFORCEMENT SHALL BE BENT COLD UNLESS OTHERWISE PERMITTED BY THE STRUCTURAL ENGINEER.
- 2. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FILLED BENT. EXCEPT AS SHOWN IN THE DESIGN DRAWINGS OR PERMITTED BY THE STRUCTURAL ENGINEER.
- 3. TIES & CLOSE STIRRUPS MUST BE BENT AT 135°.



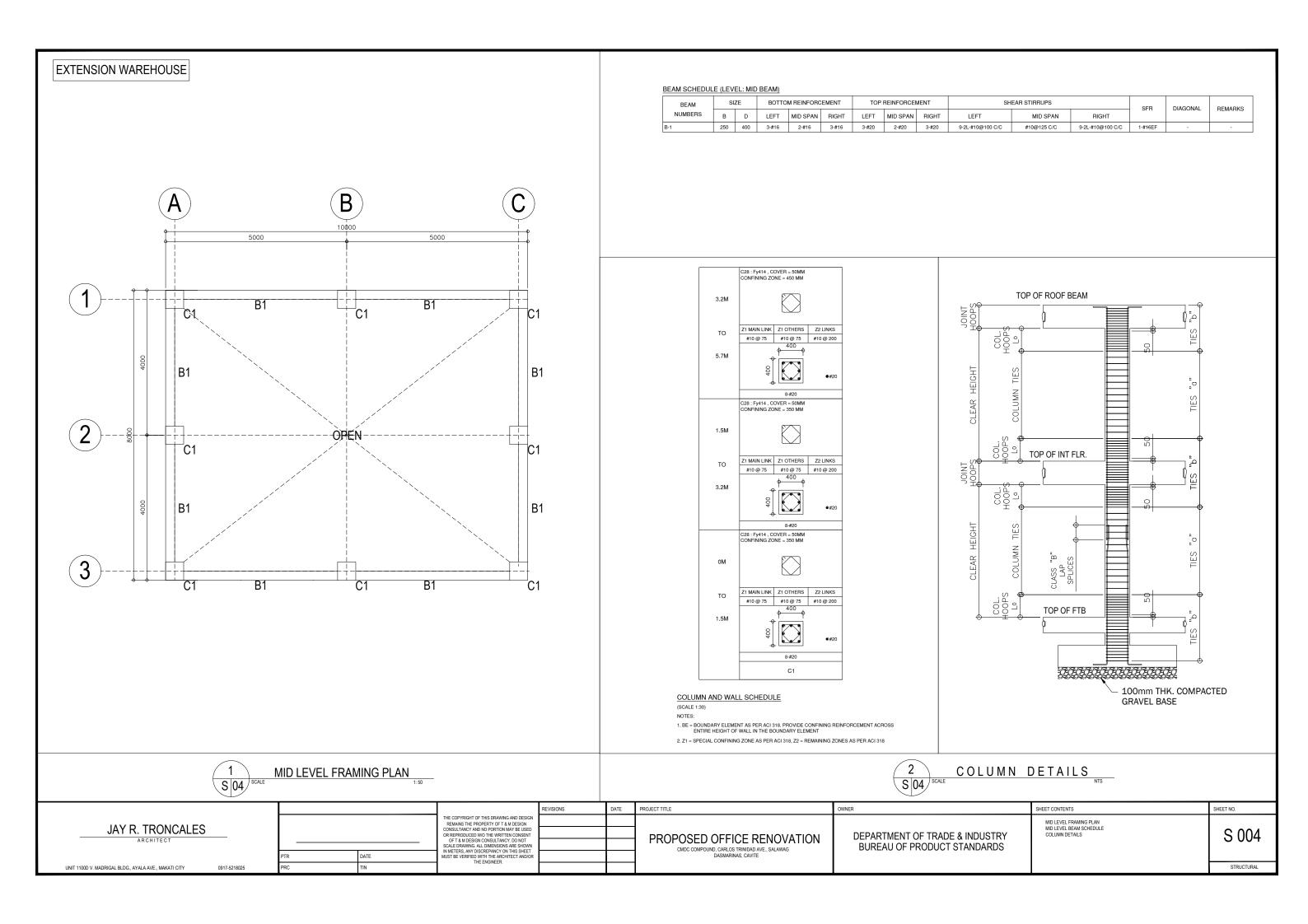
MAIN BAR END HOOKS (ALL GRADES)											
BAR SIZE	DIAMETER	180° I	HOOK	90° HOOF							
(DEFORMED)	(mm)	D + 2db	L	L							
10 mm Ø	60	75	125	150							
12 mm Ø	75	100	150	200							
16 mm Ø	95	125	175	250							
20 mm Ø	115	150	200	300							
25 mm Ø	150	200	230	450							
28 mm Ø	240	300	350	550							
32 mm Ø	300	335	450	600							

STIRRUP AND TIE HOOKS (ALL GRADES)												
BAR SIZE	DIAMETER	180°	HOOK	90° HOOK								
(DEFORMED)	(mm)	D + 2db	L	L								
10 mm Ø	40	125	85	100								
12 mm Ø	50	165	115	115								
16 mm Ø	65	200	140	150								
20 mm Ø	115	250	165	300								
25 mm Ø	150	365	230	405								



TYPICAL CONNECTION DETAIL OF MASONRY WALL											
			REVISIONS	DATE	PROJECT TITLE	OWNER	SHEET CONTENTS	SHEET NO.			
IANA D. EDONIOAL EO		THE COPYRIGHT OF THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF THE ARCHITECT			PROPOSED OFFICE RENOVATION CMDC COMPOUND, CARLOS TRINIDAD AVE., SALAWAG	DEPARTMENT OF TRADE & INDUSTRY BUREAU OF PRODUCT STANDARDS	GENERAL NOTES 2				
JAY R. TRONCALES		AND NO PORTION MAY BE USED OR REPRODUCED W/O THE WRITTEN CONSENT						S 002			
ARCHITECT		OF THE ARCHITECT. DO NOT SCALE DRAWINGS ALL DIMENSIONS ARE SHOWN						0 002			
	PTR DATE	IN METERS, ANY DISCREPANCY ON THIS SHEET MUST BE VERIFIED WITH THE ARCHITECT AND/OR THE ENGINEER.			DASMARINAS, CAVITE						
UNIT 1100D V. MADRIGAL BLDG., AYALA AVE., MAKATI CITY 0917-5218025	PRC TIN	THE ENGINEER.						STRUCTURAL			

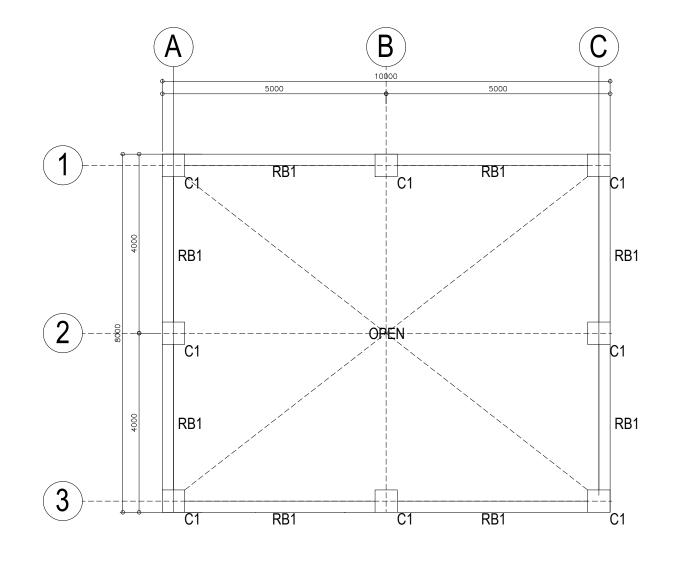
EXTENSION WAREHOUSE SCHEDULE OF FOOTINGS REINFORCEMENT D REMARKS MARK (DEPTH OF FOOTING) (THICK) (LENGTH) (WIDTH) Ast X (T) Ast Z (T) Ast X (B) Ast Z (B) TEMP. BARS F-1 1500 250 1200 1200 9 - 20Ø 9 - 20Ø **ISOLATED** B NOTE: 1. ASSUMED SBC = 150 kPa 2. f'c = 28 MPa3. fy = 276 MPa5000 5000 Ζ WF1 WF1 C1 _C1¦ _F1 _F1 F1 Ast X (T) COLUMN - Ast X (T) ⊢Ast Z (T) Ast Z (B) PERUGATE DESCRIPTION OF THE PROPERTY OF THE PR Ast Z (B) -Ast Z (T) Ast X (B) ∏_C1¦ └ Ast X (B) FOOTING DETAILS ¯F1 □ 150MM COMPACTED GRAVEL BASE S 03/ WF1 150mm CHB (ALL CELLS ARE FILLED WITH MORTAR) - 10mmØ HOR. BARS @ 600mm O.C. 3 FINISHED GRADE LINE VARIES WF1 F1 600mm (MIN.) 150MM THK. SLAB 10mmØ VERT. BARS NGL ON GRADE W/ Ø12MM @ 600mm O.C. @200MM O.C. BOTH WAYS ON 100MM THK. WELL COMPACTED - 3-10mmØ EQUALLY SPACED LONGITUDINAL BARS AND 10mmØ @250mm O.C. GRAVEL BASE TRANSVERSE BARS 200 100mm COMPACTED 400 GRAVEL BASE WF-1 WALL FOOTING DETAILS (WF-1) S 03 S 03 SCALE FOUNDATION PLAN PROJECT TITLE SHEET CONTENTS SHEET NO. THE COPYRIGHT OF THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF T A M DESIGN CONSULTANCY AND NO PORTION MAY BE LISED OR REPRODUCED WIO THE WRITTEN CONSENT OF T & M DESIGN CONSULTANCY, DO NOT SCALE PRAWING ALL DIMENSIONS ARE SHOWN IN METERS, ANY DISCREPANCY ON THIS SHEET MUST BE VERIFIED WITH THE ARCHITECT ANDIOR THE ENGINEER. FOUNDATION PLAN FOOTING SCHEDULE TYPICAL FOOTING DETAIL WALL FOOTING DETAIL JAY R. TRONCALES S 003 **DEPARTMENT OF TRADE & INDUSTRY** PROPOSED OFFICE RENOVATION BUREAU OF PRODUCT STANDARDS CMDC COMPOUND, CARLOS TRINIDAD AVE., SALAWAG DASMARINAS, CAVITE DATE UNIT 1100D V. MADRIGAL BLDG., AYALA AVE., MAKATI CITY 0917-5218025 STRUCTURAL

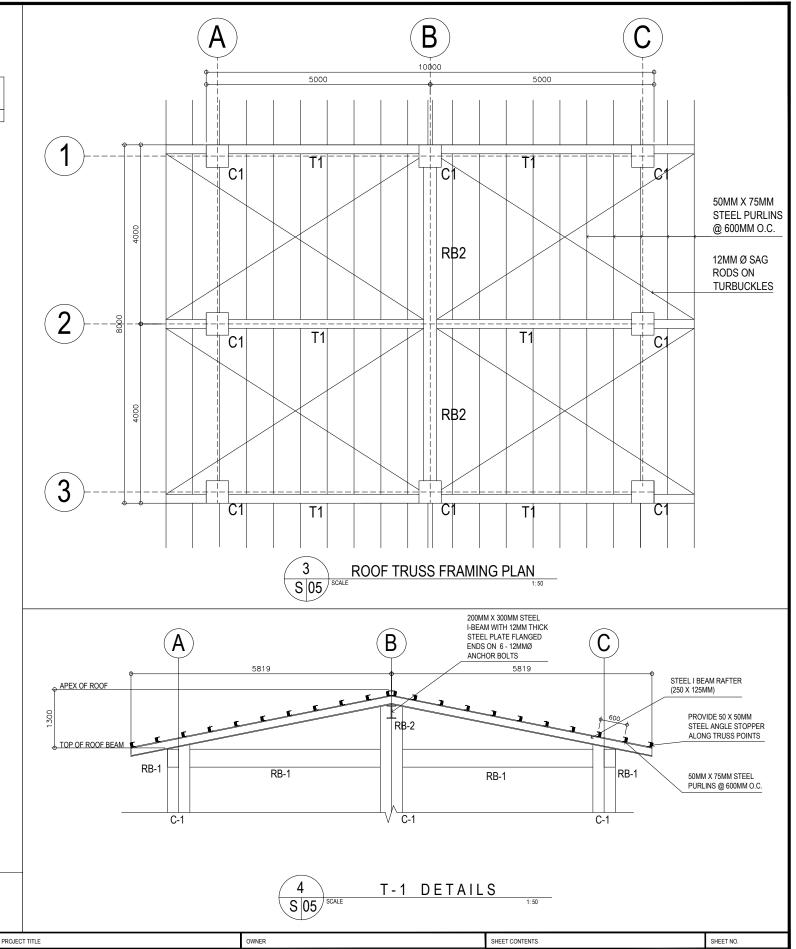


EXTENSION WAREHOUSE

BEAM SCHEDULE (LEVEL: ROOF BEAM)

BEAM	SI	SIZE BOTTOM REINFORCEMENT TOP REINFORCEMENT SHEAR STIRRUPS				SHEAR STIRRUPS			DIAGONAL	REMARKS				
NUMBERS	В	D	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	SFR	DIAGONAL	HEIWIAHNS
RB-1	250	400	3-#16	2-#16	3-#16	3-#20	2-#20	3-#20	9-2L-#10@100 C/C	#10@125 C/C	9-2L-#10@100 C/C	1-#16EF	-	-





1 S 05 SCALE ROOF BEAM FRAMING PLAN 1:50

JAY R. TRONCALES

0917-5218025

UNIT 1100D V. MADRIGAL BLDG., AYALA AVE., MAKATI CITY

DATE TIN

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EVISIONS

PROPOSED OFFICE RENOVATION
CMDC COMPOUND, CARLOS TRINIDAD AVE. SALAWAG
DASMARINAS, CAVITE

DEPARTMENT OF TRADE & INDUSTRY BUREAU OF PRODUCT STANDARDS F BEAM FRAMING PLAN F BEAM SCHEDULE F TRUSS FRAMING PLAN ETAIL

S 005

STRUCTURAL

