REQUEST FOR QUOTATION
NO.: RFQ-2025-045

Date: **June 3, 2025**

Name of the Company : _____
Address : _____
Contact No. : _____
PhilGEPS Registration No. : _____

Sir/Madam:

Please quote your best offer (lowest net, price, taxes, and government discount terms included) and **submit your Quotation duly signed by you or your duly authorized representative not later than June 9, 2025 @ 10:00 AM** for:

Name of the Project : **CONSTRUCTION OF CHILD MINDING CENTER AT LAOAG INTERNATIONAL AIRPORT**
Location : **LAOAG INTERNATIONAL AIRPORT**
Terms of Reference :

Sealed quotations must be submitted either personally to Ms. Josephine R. Flores, Head, Secretariat of the Bids and Awards Committee of CAAP Area I (BAC Area I) or e-mail at bac_area1@caap.gov.ph. For any clarification, do not hesitate to contact us through the contact information seen below.

Aside from the Terms and Conditions provided at the back portion of this RFQ, please observed the following general conditions:

1. **The following documents must be attached upon submission of the Quotation**:
   a) Mayor's Permit
   b) PhilGEPS Certificate of Registration
2. All quotations shall be considered as fixed price and not subject to price escalation during the contract implementation.
3. Payment shall be made through check.

ATTY. RIZZA JOY S. VALLESTERO
Chairperson, Bids and Awards Committee

After having carefully read and accepted the Terms and Conditions, I/We submit our quotations for the following item/s:

ITEM DESCRIPTION (SPECIFY THE BRAND AND MODEL OF YOUR OFFER/PROPOSAL, IF APPLICABLE)	APPROVED BUDGET OF THE CONTRACT (ABC)	OFFER*						
		PRICE				Compliance w/ Technical Specifications		REMARKS
		QTY	UNIT	Unit Price	Total Price	Yes	No	
1. Supply of materials, equipment and labor for the project titled: "Construction of Child Minding Center at Laoag International Airport"	**₱1,999,922.48**	**1**	**lot**					

SCOPE OF WORKS: **1. Site Works** **2. Concrete Works** **3. Masonry Works** **4. Roofing Works** **5. Ceiling Works** **6. Painting Works** **7. Tiling Works** **8. Cladding Works** **9. Plumbing Works** **10. Electrical Works** **11. Doors & Partition Walls** **12. Other General Requirements** **13. Project Billboard**								
TOTAL ABC	**₱1,999,922.48**							
GRAND TOTAL:								

Note: Quotation for each item must not exceed the ABC per item. This is a one (1) lot procurement.

_____
Signature over Printed Name
Supplier/Dealer/Contractor

TERMS AND CONDITIONS

1. **Bidders shall provide correct and accurate information required in this form.**

2. **Price quotation/s must be valid for a period of Thirty (30) calendar days from the date of submission.**

3. **Price quotation/s shall be denominated in Philippine Peso which includes all taxes, duties and/or levies payable.**

4. **Quotations exceeding the ABC shall be rejected.**

5. **Award of contract shall be made to the lowest quotation (for goods and infrastructure) or, the highest rated offer (for consulting services) which complies with the minimum technical specifications and other terms and conditions stated herein. Further, the most advantageous to the government to the point of quality of materials and prices as well as the responsiveness of the bids shall be the basis of the award.**

6. ***The Head of the Procuring Entity reserves the right to reject any and all bids, declare a failure of bidding or not award the contract in any of the following conditions set forth by Sec. 41 (Reservation Clause) of the Revised IRR of RA 9184.***

7. **The Supply Office of LIA shall have the right to inspect and to test the goods to confirm their conformity to the technical specifications.**

8. ***Date of Completion/Delivery*: In case of an approved POW, within the period stated therein. While, in cases of regular procurement, within 7-10 days or less, after the issuance of the Purchase Order. Further, any request of extension shall be sent to the End-User/Implementing Facility concern.**

9. ***Mode and Terms of Payment:* Within ten (10) working days after the supplies/materials and labor/service have been inspected and accepted, respectively, through a check issued by the procuring entity.**

10. **Liquidated damages equivalent to one tenth of one percent (0.001%) of the value of the goods not delivered within the prescribed delivery period shall be imposed per day of delay. This Office (LIA) shall rescind the contract once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of the contract, without prejudice to other courses of action and remedies open to it.**

NOTE: The aforecited Terms and Conditions shall be without prejudice to any provisions of a Contract which will be executed by and between the Procuring Entity and Contractor/Supplier/Dealer in order to conform with the requirements set forth by RA 9184.

I. SITE WORKS

/ **Quantity:** 60.8525 cu.mtr. *(Including demolition, excavation, backfilling and gravel bedding works)*

A. DIRECT COST

a.

	MATERIALS	QUANTITY		UNIT COST		AMOUNT
1	Aggregate Subbase Course	34	cu.m.		cu.m./	
2	G1, Gravel Bedding	7	cu.m.		cu.m./	
		MATERIAL COST				

b.

		EQUIPMENT	QUANTITY		UNIT COST		AMOUNT
1	1	Demolition Hammer	4	day		day/	
2	1	Concrete Cutter	4	day		day/	
3	1	Plate Compactor	2	day		day/	
			EQUIPMENT COST				

c.

	no. of manpower	LABOR	NO. OF DAYS		UNIT COST		AMOUNT
1	1	Foreman	6	day		day/	
2	4	Common Laborer	6	day		day/	
			LABOR COST				

TOTAL DIRECT COST	

B. INDIRECT COST

a.	OCM(Overhead, Contingencies, Miscellaneou			
b.	CONTRACTORS PROFIT			
			TOTAL MARK-UP	

c.	Value Added Tax, VAT (OCM + Contractor's Profit + Direct Cost)	5%		

TOTAL INDIRECT COST

C. TOTAL COST

a.	DIRECT COST + INDIRECT COST	

TOTAL UNIT COST

II. CONCRETE WORKS

/ **Quantity:** 18.32 cu.m.

A. DIRECT COST

a.

	MATERIALS	QUANTITY		UNIT COST		AMOUNT
1	Portland Cement 40kg	169	bag		/bag	
2	Course Aggregate	19	cu. mtr.		/cu. mtr.	
3	Fine Aggregate	10	cu. mtr.		/cu. mtr.	
4	1/2" Phenolic Board	10	pc.		/pc.	
5	16mm RSB @ 7.5m	52	pc.		/pc.	
6	16mm RSB @ 6m	38	pc.		/pc.	
7	12mm RSB	127	pc.		/pc.	
8	10mm RSB	113	pc.		/pc.	
9	#16 G.I. Tie Wire	3	roll		/roll	
10	Assorted CWN	5	kg.		/kg.	
11	2" x 2" Good Lumber	305	bd. Ft.		/bd. Ft.	
		MATERIAL COST				

b.

	no. of units	EQUIPMENT	QUANTITY		UNIT COST		AMOUNT
1	1	One Bagger Mixer	5	day		day/	
2	1	Concrete Vibrator	5	day		day/	
3	20	Scaffolding	28	days		days/	
			EQUIPMENT COST				

c.

	no. of manpower	LABOR	NO. OF DAYS		UNIT COST		AMOUNT
1	1	Foreman	21	day		day/	
2	2	Skilled Laborer	21	day		day/	
3	3	Common Laborer	21	day		day/	
			LABOR COST				

TOTAL DIRECT COST

B. INDIRECT COST

a.	OCM(Overhead, Contingencies, Miscellane			
b.	CONTRACTORS PROFIT			
			TOTAL MARK-UP	
c.	alue Added Tax, VAT (OCM + Contractor's Profit + Direct Cos	5%		

TOTAL INDIRECT COST

C. TOTAL COST

a.	**DIRECT COST + INDIRECT COST**	

TOTAL UNIT COST

III. MASONRY WORKS

/ **Quantity:** 167 sq.m.

A. DIRECT COST

a.

	MATERIALS	QUANTITY		UNIT COST		AMOUNT
1	Portlant Cement 40kg	165	bag		/bag	
2	5" CHB	1659	pcs		/pcs	
3	4" CHB	420	pcs		/pcs	
4	Fine Aggregate	19	cu. mtr.	/cu. mtr.		
5	12mm RSB	94	pc.		/pc.	
6	#16 G.I. Tie Wire	1	roll		/roll	
7	Concrete Epoxy	1	set		/set	
		MATERIAL COST				

b.

	no. of units	EQUIPMENT	QUANTITY		UNIT COST		AMOUNT
1	8	Rental of Scaffolding	10	day		day/	
			EQUIPMENT COST				

c.

	no. of manpower	LABOR	NO. OF DAYS		UNIT COST		AMOUNT
1	1	Foreman	14	day		day/	
2	2	Mason	14	day		day/	
3	4	Common Laborer	14	day		day/	
			LABOR COST				

TOTAL DIRECT COST

B. INDIRECT COST

a.	OCM(Overhead, Contingencies, Miscellane			
b.	CONTRACTORS PROFIT			
			TOTAL MARK-UP	
c.	alue Added Tax, VAT (OCM + Contractor's Profit + Direct Cos	5%		

TOTAL INDIRECT COST

C. TOTAL COST

a.	**DIRECT COST + INDIRECT COST**	

TOTAL UNIT COST

IV. ROOFING WORKS

/ **Quantity:** 65 sq. mtr.

A. DIRECT COST

a.

	MATERIALS	QUANTITY		UNIT COST		AMOUNT
1	Pre-painted Rib type roofing (0.50mm)	65	sq. mtr.	/sq. mtr.		
2	1.2mm x 2" x 4" C-Purlins	8	pc.		/pc.	
3	12 x 55 Tekscrew	720	pc		/pc	
4	Fabricated Gutter 0.60mm x 24"	16	pc.		/pc.	
5	1.2m x 2.4m x 0.60 mm Pre-painted GI Sheet	9	pc.		/pc.	
6	Welding Rod	12	kg		/kg	
7	ϕ10mm x 6m Sag Rods	10	pc.		/pc.	
8	Silicone Rubber Sealant	6	pc.		/pc.	
9	Insulation Foam (10mm Double, 30m)	2	pc.		/pc.	
10	50mm x 50mm x 4mm x 6m Angle Bar	24	pc.		/pc.	
11	Red Oxide Primer	2	gals		/gals	
12	Enamel Paint	2	gals		/gals	
13	Paint Thinner	2	liter		/liter	
14	4" Paint Brushes/Rollers	5	pcs.		/pcs.	
		MATERIAL COST				

b.

	no. of units	EQUIPMENT	QUANTITY		UNIT COST		AMOUNT
1	1	Welding Machine	3	day		day/	
2	8	Scaffolding	7	day		day/	
			EQUIPMENT COST				

c.

	no. of manpower	LABOR	NO. OF DAYS		UNIT COST		AMOUNT
1	1	Foreman	7	day		day/	
2	2	Skilled Laborer	7	day		day/	
3	2	Common Laborer	7	day		day/	
			LABOR COST				

TOTAL DIRECT COST

B. INDIRECT COST

a.	OCM(Overhead, Contingencies, Miscellaneou			
b.	CONTRACTORS PROFIT			
			TOTAL MARK-UP	

c.	Value Added Tax, VAT (OCM + Contractor's Profit + Direct Cost)	5%		

TOTAL INDIRECT COST

C. TOTAL COST

a.	**DIRECT COST + INDIRECT COST**	-
	TOTAL UNIT COST	₱ -

V. CEILING WORKS

/ **Quantity:** 55 sq.m.

A. DIRECT COST

a.

	MATERIALS	QUANTITY		UNIT COST		AMOUNT
1	Double Furring Channel	55	pc.		/pc.	
2	Wall Angle	15	pc.		/pc.	
3	Blind Rivet	3	boxes		/boxes	
4	PVC Ceiling Panel 1.2x215x2950mm	64	pc.		/pc.	
5	PVC Ceiling Panel accessories H-profile	4	pc.		/pc.	
6	PVC Ceiling Panel accessories U-Clip	16	pc.		/pc.	
7	12mm x 1' x 8ft. Senepa	4	pc.		/pc.	
8	M8 x 50mm Metal Expansion Bolts	40	pcs		/pcs	
9	Self-Drilling Tek Screws (12mm)	760	pcs		/pcs	
10	Silicone Rubber Sealant	2	pc		/pc	
		MATERIAL COST				

b.

	no. of units	EQUIPMENT	QUANTITY		UNIT COST		AMOUNT
1	8	Scaffolding	7	day		day/	
			EQUIPMENT COST				

c.

	no. of manpower	LABOR	NO. OF DAYS		UNIT COST		AMOUNT
1	1	Foreman	7	day		day/	
2	2	Skilled Laborer	7	day		day/	
3	2	Common Laborer	7	day		day/	
			LABOR COST				

TOTAL DIRECT COST

B. INDIRECT COST

a.	OCM(Overhead, Contingencies, Miscellaneous			
b.	CONTRACTORS PROFIT			
			TOTAL MARK-UP	

c.	Value Added Tax, VAT (OCM + Contractor's Profit + Direct Cost)	5%		

TOTAL INDIRECT COST

C. TOTAL COST

a.	**DIRECT COST + INDIRECT COST**	

TOTAL UNIT COST

VI. PAINTING WORKS

/ **Quantity:** 183.5 sq.m.

A. DIRECT COST

a.

	MATERIALS	QUANTITY		UNIT COST		AMOUNT
1	Acrylic Semi-Gloss Latex	15	gals		/gals	
2	Paint Roller 9" w/ Tray	4	pc.		/pc.	
3	Paint Brush 4"	8	pc.		/pc.	
4	Masonry Putty	8	gals		/gals	
5	Sand paper	10	pcs		/pcs	
6	Elastomeric Sealant	4	pails		/pails	
7	Putty Knife	6	pcs		/pcs	
		MATERIAL COST				

b.

	no. of units	EQUIPMENT	QUANTITY		UNIT COST		AMOUNT
1	8	Scaffolding	5	day		day/	
			EQUIPMENT COST				

c.

	no. of manpower	LABOR	NO. OF DAYS		UNIT COST		AMOUNT
1	1	Foreman	5	day		day/	
2	2	Painter	5	day		day/	
3	2	Common Laborer	5	day		day/	
			LABOR COST				

TOTAL DIRECT COST

B. INDIRECT COST

a.	OCM(Overhead, Contingencies, Miscellaneou			
b.	CONTRACTORS PROFIT			
			TOTAL MARK-UP	

c.	Value Added Tax, VAT (OCM + Contractor's Profit + Direct Cost)	5%		

TOTAL INDIRECT COST

C. TOTAL COST

a.	**DIRECT COST + INDIRECT COST**	

TOTAL UNIT COST

VII. TILING WORKS

/ **Quantity:** 102.049 sq.m.

A. DIRECT COST

a.

	MATERIALS	QUANTITY		UNIT COST		AMOUNT
1	30cm x 30cm Matte Rustic Tiles, Material: Ceramic, Color: White Sugar Finish	105	pc.		/pc.	
2	30cm x 60cm Matte Finish, Material: Ceramic, Color: Viene Ash	115	pc.		/pc.	
3	60cm x 120cm Matte Rustic Tiles, Material: Porcelain, Color: Vernia White, Edge: Rectified	70	pc.		/pc.	
4	30cm x 30cm Matte Rustic Tiles, Material: Ceramic, Color: Taupe (Gray)	300	pc.		/pc.	
5	Tile Adhesive	12	bags		/bags	
6	Tile Grout	52	kg		/kg	
7	Cement	9	bags		/bags	
8	4" Diamond Cutting Disc	2	pc.		/pc.	
		MATERIAL COST				

b.

	no. of units	EQUIPMENT	QUANTITY		UNIT COST		AMOUNT
1	1	Angle Grinder	8	day		day/	
			EQUIPMENT COST				

c.

	no. of manpower	LABOR	NO. OF DAYS		UNIT COST		AMOUNT
1	1	Foreman	8	day		day/	
2	2	Tile Setter	8	day		day/	
3	2	Common Laborer	8	day		day/	
			LABOR COST				

TOTAL DIRECT COST

B. INDIRECT COST

a.	OCM(Overhead, Contingencies, Miscellaneous)			
b.	CONTRACTORS PROFIT			
			TOTAL MARK-UP	
c.	Value Added Tax, VAT (OCM + Contractor's Profit + Direct Cost)	5%		

TOTAL INDIRECT COST

C. TOTAL COST

a.	**DIRECT COST + INDIRECT COST**	

TOTAL UNIT COST	₱	-

VIII. CLADDING WORKS

/ **Quantity:** 1 lot

A. DIRECT COST

a.

	MATERIALS	QUANTITY		UNIT COST		AMOUNT
1	4' x 8' x 3mm Al. thickness Aluminum Composite Panel	31	pcs		/pcs	
2	2" x 3" x 1.2mm Tubular	10	pcs		/pcs	
3	1" x 2" x 1.0mm Tubular	10	pcs		/pcs	
4	1" x 1" x 1.0mm Tubular	2	pcs		/pcs	
5	Bracket (Angle Bar)	100	pcs		/pcs	
6	4mmx32mmx32mm Angle Bar	6	pcs		/pcs	
6	Screw	200	pcs		/pcs	
7	Rivet	3	boxes		/boxes	
8	15mm x 50 meters PE Foam Backer Rod Stick	3	rolls		/rolls	
9	Rubber Sealant	30	tubes		/tubes	
10	202mmx30mmx2.85m WPC Indoor Panel	40	pcs		/pcs	
11	224x26x2900mm WPC Outdoor Cladding	13	pcs		/pcs	
12	Expansion Bolt	60	pcs		/pcs	
13	Welding Rod	5	kg		/kg	
	Stainless 304 Flat Lettering	18	units		/units	
		MATERIAL COST				

b.

	no. of units	EQUIPMENT	QUANTITY		UNIT COST		AMOUNT
1	8	Scaffolding	8	day		day/	
2	1	Hand Router	8	day		day/	
3	1	Welding Machine	10	day		day/	
			EQUIPMENT COST				

c.

	no. of manpower	LABOR	NO. OF DAYS		UNIT COST		AMOUNT
1	1	Foreman	10	day		day/	
2	2	Skilled Laborer	10	day		day/	
3	2	Common Laborer	10	day		day/	
			LABOR COST				

TOTAL DIRECT COST

B. INDIRECT COST

a.	OCM(Overhead, Contingencies, Miscellaneous)			
b.	CONTRACTORS PROFIT			
			TOTAL MARK-UP	
c.	Value Added Tax, VAT (OCM + Contractor's Profit + Direct Cost)	5%		

TOTAL INDIRECT COST	-

C. TOTAL COST

a.	**DIRECT COST + INDIRECT COST**	-

TOTAL UNIT COST	₱	-

IX. PLUMBING WORKS

/ **Quantity:** 1 lot

A. DIRECT COST

a.

	MATERIALS	QUANTITY		UNIT COST		AMOUNT
1	PVC Vanity Wall Hung Cabinet w/ Reflective Mirror	1	unit		/unit	
2	One Piece Skirted Water Closet	1	unit		/unit	
3	350x380x750mm Urinal with Sensor	1	unit		/unit	
4	Lavatory Faucet	1	unit		/unit	
5	2000L Pp/Pe Septic Tank	1	unit		/unit	
6	Angle Valve 1x1 Stainless Steel 304	2	pcs		/pcs	
7	Angle Valve 1x2 Stainless Steel 304	1	pcs		/pcs	
8	PPR Coupling Reducer 3/4" x 1/2"	2	pcs		/pcs	
9	PPR Coupling 3/4"	4	pcs		/pcs	
10	PPR Elbow Threaded 20mm dia.	2	pcs		/pcs	
11	PPR Elbow Plain 20mm dia.	5	pcs		/pcs	
12	PPR Elbow Plain 25mm dia.	7	pcs		/pcs	
13	PPR Tee Plain 25mm dia.	6	pcs		/pcs	
14	PPR PN20mm dia.	2	pcs		/pcs	
15	PPR PN25mm dia.	4	pcs		/pcs	
16	Handspray Bidet Stainless Steel 304 Satin Finish	1	pcs		/pcs	
17	Flexible Connector 1/2" dia. X16" Stainless Steel 304, Satin Finish	3	pcs		/pcs	
18	Sanitary Pipe 4" Dia. Orange Series 1000	5	pcs		/pcs	
19	Sanitary Pipe 2" Dia. Orange Series 1000	2	pcs		/pcs	
20	Wye Plain Sch. 40 Sanitary 4" dia.	4	pcs		/pcs	
21	Sanitary Elbow 90° x 4"	3	pcs		/pcs	
22	Coupling Reducer 4" x 2"	2	pcs		/pcs	
23	Sanitary Elbow 2"	10	pcs		/pcs	
24	Sanitary P-Trap 2"	4	pcs		/pcs	
25	Floor Drain Stainless Steel 304 Satin Finish	2	pcs		/pcs	
26	Solvent Cement 200ml	1	can		/can	
27	Wall Tap Faucet (Material: Zinc Alloy)	2	pc		/pc	
28	Polished Tissue Holder Stainless 304	1	unit		/unit	
29	Jumbo Roll Paper Towel JRT Stainless Dispenser Wall Mounted	1	unit		/unit	

30	120x23.5x3.8cm Modern Floating Shelves/ Ledge; Material Medium Density Fiberboard	8	pcs		/pcs	
				MATERIAL COST		

b.

	no. of units	EQUIPMENT	QUANTITY		UNIT COST		AMOUNT
					EQUIPMENT COST		

c.

	no. of manpower	LABOR	NO. OF DAYS		UNIT COST		AMOUNT
1	1	Foreman	4	day		day/	
2	2	Skilled Laborer	4	day		day/	
3	2	Common Laborer	4	day		day/	
					LABOR COST		

TOTAL DIRECT COST

B. INDIRECT COST

a.	OCM(Overhead, Contingencies, Miscell			
b.	CONTRACTORS PROFIT			
			TOTAL MARK-UP	
c.	ue Added Tax, VAT (OCM + Contractor's Profit + Direct C	5%		

TOTAL INDIRECT COST

C. TOTAL COST

a.	**DIRECT COST + INDIRECT COST**	

TOTAL UNIT COST

IX. ELECTRICAL WORKS

/ **Quantity:** 1 lot

A. DIRECT COST

a.

	MATERIALS	QUANTITY		UNIT COST		AMOUNT
1	300mmx1200mm Recessed Panel Light 48w	8	set		/set	
2	Pin Lights LED Bulb Concealed 6"x12Watts	18	set		/set	
3	2-Gang Switch Wide Series	5	set		/set	
4	3.5 sq.mm. THHN Wire (150m)	2	set		/set	
5	2.0 sq.mm. THHN Wire (150m)	2	box		/box	
6	ACU Outlet	3	box		/box	
7	HD Outlet	1	set		/set	
8	Duplex Universal Convenience Outlet with Weatherproof Plate Cover	6	set		/set	
9	Utility Box PVC	16	set		/set	
10	Junction Box (Octagonal 9x9)	26	pcs		/pcs	
11	Panel Board (10 Holes w/ Center Main)	1	pcs		/pcs	
12	Breaker: 15AT CB 2P, Bolt on MCCB	3	set		/set	
13	Breaker: 20AT CB 2P, Bolt on MCCB	4	pcs		/pcs	
14	Breaker: 30AT CB 2P, Bolt on MCCB	4	pcs		/pcs	
15	Breaker:70AT CB 2P, Bolt on MCCB	1	pcs		/pcs	
16	22 sq.mm. THHN Wire	20	meters		/meters	
17	NEMA 3R 70AT CB Bolt on 2P	1	set		/set	
18	20mm dia. Sch 40 Thk Wall Orange Pipe	32	pcs		/pcs	
19	32mm dia. Sch 40 Thk Wall Orange Pipe	14	pcs		/pcs	
20	Electrical Tape Big	5	pcs		/pcs	
21	12-Inch Wall Mounted Exhaust Fan	1	pcs		/pcs	
22	315.8x140x101.1mm Emergency Light w/ Injection Moulded Abs Plastic Housing	4	pcs		/pcs	
		MATERIAL COST				

b.

	no. of units	EQUIPMENT	QUANTITY		UNIT COST		AMOUNT
1	1	Scaffolding	4	day		day/	
			EQUIPMENT COST				

c.

	no. of manpower	LABOR	NO. OF DAYS		UNIT COST		AMOUNT
1	1	Foreman	4	day		day/	
2	1	Electrician	4	day		day/	
			LABOR COST				

TOTAL DIRECT COST

B. INDIRECT COST

a.	OCM(Overhead, Contingencies, Miscellaneous)			
b.	CONTRACTORS PROFIT			
			TOTAL MARK-UP	
c.	Value Added Tax, VAT (OCM + Contractor's Profit + Direct Cost)	5%		

TOTAL INDIRECT COST

C. TOTAL COST

a.	**DIRECT COST + INDIRECT COST**	

TOTAL UNIT COST

IX. DOORS AND PARTITION WALLS

/ **Quantity:** 1 lot

A. DIRECT COST

a.

	MATERIALS	QUANTITY		UNIT COST		AMOUNT
1	2100mm x 1800 mm, 1/2" Tempered Glass Double Swing Door (Frameless, Complete with door closer, stainless steel door handle - H-Type)	1	unit		/unit	
2	2100mm x 900 mm, 1/2" Tempered Glass Swing Door (Frameless, Complete with door closer, stainless steel door handle)	1	unit		/unit	
3	2100mm x 800mm Single Leaf PVC Moulded Door (Complete with 4pc. Ball Bearing hinge, Lever type (zinc alloy) Single cylinder deadbolt, Plain Matte Finish Gray)	2	unit		/unit	
4	1800mm x 1500mm Phenolic Board Partition with 1800mmx600mm Door w/ Accessories (2pc. Rising Hinge with indicator lock, Plastic door knob, adjustable foot (3pc), Coat Hook	1	unit		/unit	
5	2700mm x 3850mm Partition Wall, 1/4" Thick Tempered Glass (Clear), 1 3/4" x 4" Tubular Framing (Powder Coated White)	300	sq.ft.		/sq.ft.	
		MATERIAL COST				

b.

	no. of units	EQUIPMENT	QUANTITY		UNIT COST		AMOUNT
1	1		1	day		day/	
			EQUIPMENT COST				

c.

	no. of manpower	LABOR	NO. OF DAYS		UNIT COST		AMOUNT
1	1	Foreman	5	day		day/	
2	3	Skilled Laborer	5	day		day/	
			LABOR COST				

TOTAL DIRECT COST -

B. INDIRECT COST

a.	OCM(Overhead, Contingencies, Miscellaneou						
b.	CONTRACTORS PROFIT						
						TOTAL MARK-UP	

c.	Value Added Tax, VAT (OCM + Contractor's Profit + Direct Cost)	5%		

TOTAL INDIRECT COST

C. TOTAL COST

a.	**DIRECT COST + INDIRECT COST**	

TOTAL UNIT COST

IX. OTHER GENERAL

/ **Quantity:** 1 lot

A. DIRECT COST

a.

	PARTICULARS	QUANTITY		UNIT COST		AMOUNT
1	Cylinder Testing for Concrete Samples (3000 PSI)	9	pc.		/pc.	
		MATERIAL COST				

b.

	no. of units	EQUIPMENT	QUANTITY		UNIT COST		AMOUNT
1		Personal Protective Equipment (PPE)	15	pc		pc/	
			EQUIPMENT COST				

c.

	no. of manpower	LABOR	NO. OF DAYS		UNIT COST		
1	1	Safety Officer	20	day		day/	
			LABOR COST				

TOTAL DIRECT COST

B. INDIRECT COST

a.	OCM(Overhead, Contingencies, Miscellaneous)	0%		
b.	CONTRACTORS PROFIT	0%		
			TOTAL MARK-UP	

c.	Value Added Tax, VAT (OCM + Contractor's Profit + Direct Cost)	5%		

TOTAL INDIRECT COST

C. TOTAL COST

a.	**DIRECT COST + INDIRECT COST**	

TOTAL UNIT COST

IX. OTHER GENERAL

/ **Quantity:** 1 lot

A. DIRECT COST

a.

	PARTICULARS	QUANTITY		UNIT COST		AMOUNT
1	Tarpaulin 8'x8' (With Frame)	1	pc.		/pc.	
		MATERIAL COST				

b.

	no. of units	EQUIPMENT	QUANTITY		UNIT COST		AMOUNT
			EQUIPMENT COST				

c.

	no. of manpower	LABOR	NO. OF DAYS		UNIT COST		AMOUNT
			LABOR COST				

TOTAL DIRECT COST

B. INDIRECT COST

a.	OCM(Overhead, Contingencies, Miscellaneous)	0%		
b.	CONTRACTORS PROFIT	0%		
			TOTAL MARK-UP	
c.	Value Added Tax, VAT (OCM + Contractor's Profit + Direct Cost)	5%		

TOTAL INDIRECT COST

C. TOTAL COST

a.	**DIRECT COST + INDIRECT COST**	

TOTAL UNIT COST

CONSTRUCTION SAFETY AND HEALTH PROGRAM

INTRODUCTION

The Construction Safety and Health Program outlines the mandatory policies, procedures, and standards necessary to ensure the safety, security, and well-being of all personnel engaged in the Construction of a one-storey Childminding center located at the area, south of the New Admin Building at Laoag International Airport.

This program is intended to identify, control, and mitigate occupational hazards, ensure strict regulatory compliance, and maintain the highest standards of occupational health and safety in accordance with all applicable aviation and construction industry regulations. The contractor shall be required to implement and strictly adhere to the provisions set forth herein to maintain a safe and hazard-free working environment while minimizing disruptions to airport operations.

I. TABLE OF CONTENTS

A. Safety Orientation and Seminar

To ensure compliance with occupational safety standards and aviation regulations, all contractor personnel shall be required to attend mandatory safety orientations and seminars. These programs are essential are essential for mitigating workplace hazards, ensuring compliance with aviation safety protocols, and fostering a secure and efficient working environment.

The required orientations and seminars shall include, but are not limited to, the following:

a. Security Awareness Seminar
b. Pre-Construction Meeting

B. Transport

The contractor shall provide the necessary service vehicles to facilitate effective communication and reliable transportation are essential for ensuring the smooth execution of the project and maintaining operational safety within the airport premises.

- Service Vehicles – The contractor shall make available, during the performance of the contract, at least (1) service vehicle with good

condition, for use by the airport authority's representative/engineers for the purpose of inspection, monitoring, measuring, laboratory testing and other activities relative to the implementation of the project.

C. **Manpower Schedule**

The Minimum manpower required during contract implementation shall be:

No. of Manpower	Technical Personnel	Relevant Experience / Certificates Required
1	Safety Officer	2years supervisory experience with safety training certificate
1	Foreman	-
2	Mason	-
2	Carpenter	-
2	Skilled Laborer	-
2	Painter	-
2	Tile Setter	-
2	Electrician	-
4	Common Laborer	-

The contractor shall provide the necessary manpower to properly accomplish all necessary related works. The contractor shall designate a competent representative who shall be available at the area to oversee working operation being carried out and to receive instructions from the Airport officials. The contractor's authorized representative shall be responsible for the overall management and coordination of work to be performed as contract provisions and shall act as central point with the government agency. The contractor's authorized representative shall have full authority to act thereat in behalf of the contractor's name while in the premises.

1. **Identification**

The Contractor's personnel shall be recognizable while in airport premises. This will be accomplished by the used of uniforms and printed with the company's name of the contractor. All expenses for uniforms and badges shall be borne by the contractor. All contractor's personnel shall always be in uniform.

D. Work Schedule

The Contractor shall perform the Construction of Covered Parking at New Admin Building in compliance with the rules and policies of the airport.

The Contractor shall provide the necessary manpower, tools, equipment, materials and supplies to ensure timely accomplishment and delivery with the ultimate objective of delivering satisfactory on time result and performance.

1. Working Time

- Work is done regularly at daytime. Work operations is conducted within the period of 6:00 AM to 6:00 PM, with up to daily work duration of twelve (12) hours a day, six days a week including holiday. Also, the contractor/service provider shall have the option to submit a request to the CAAP-LIA Authorities for approval to conduct work during the nighttime hours, specifically between 10:00 PM and 6:00 AM, contingent upon the completion of all flight operations. Such request shall be subject to the CAAP-LIA Authorities' discretion and approval following review.

- Work operations shall be temporarily paused when deemed necessary, or when the operational area directly affects passenger flow and airport traffic during flight hours, ensuring minimal inconvenience while maintaining safety and efficiency.

E. Guidelines

The contractor shall always establish a complete quality control program to adhere with the following requirements while carrying out his function and responsibilities during the implementation of the contract.

1. Quality Assurance and Corresponding Penalties

The Contractor shall establish a system of quality control program to assure that the requirements of the contract are provided as specified. One copy of the contractor's quality control program shall be submitted to the Authority prior to start of the contracted services. An updated copy must be provided as changes occur. The program shall include but not limited to the following.

- An inspection system, covering all the services to be performed under the contract. This must specify areas to be inspected on either a scheduled or unscheduled basis or such personnel who will perform the inspection.

- A method for identifying deficiencies in the quality of services rendered, before the level of performance becomes unacceptable.

- Contractor shall provide the following uniform to all its employees:
  - A shirt with a contractor's logo/name with pants of any color or any equivalent uniform acceptable to CAAP-LIA
  - A penalty amounting to Fifty Pesos (P 50.00) per day per person shall be imposed on personnel who are not in prescribed uniform while on duty.

2. Safety and Security Measures

The Contractor shall adhere to all standards and recommended practices stipulated by the airport authority and shall, under no circumstances, violate standard rules and regulations.

- The Contractor and his employees shall always comply with the security and safety requirements imposed by the management while in the airport premises.

- The Contractor is hereby instructed that aircraft operations and movements and the safety thereof, shall always take precedence over any operation.

  In case of within the restricted area, a presence of authorized handheld radio operator is assigned and shall obtain clearance from the Control Tower from time to time for thorough safely.

- The Contractor shall, always keep paved surfaces such as runways, taxiways and hard stands free from hazardous materials.

TECHNICAL SPECIFICATION

I. INTRODUCTION

The Civil Aviation Authority of the Philippines, Area I, includes the Construction of a one-storey Childminding center located at the area, south of the New Admin Building at Laoag International Airport in its Annual Procurement Plan. This project aims to provide sheltered parking spaces that protect vehicles from various environmental elements and enhance overall convenience and safety at a portion of the New Vehicular Parking Area.

This project involves the construction of a One-Storey Childminding Center to provide safe, supervised care for children of employees. Therefore, the Authority is imposed to hire the services of a private contractor/supplier to undertake the construction of the project. The contractor/supplier shall comply with the provisions of this Term of Reference from the onset until the end of the implementation.

II. STATEMENT OF WORK

A. Work Breakdown Structure

I. CIVIL WORKS

a) Site Works

The work includes the supply of labor and equipment necessary to complete the demolition of a portion of the existing sidewalk, demolition of existing wheel stoppers and provision of new ones, to complete the excavation & disposal of soil for footings and other structural members as specified on the approved plans. Excavation and disposal must be in proper coordination with the Project-in-Charge to avoid disturbance to the existing structure of the area and other scope as indicated on the approved plans. The Contractor must provide equipment for hauling and disposal of excavated materials and site cleanup.

	Quantity
Area of Demolition	1.5 cu.m.
Excavation Volume	6.3 cu.m
Backfilling Works	46.25 cu.m.
Gravel Bedding	6.8025 cu.m.

b) Concreting Works

The work includes all materials, labor, and tools/equipment needed to complete the concreting work of column pedestals and footings including the fabrication and installation of reinforcing bars and formworks as indicated on the approved plans. The strength of concrete will be 3000psi. Samples shall be collected and are due for Cylinder Testing to any DPWH-accredited Testing Center. Materials to be used and workmanship must be approved by the Project In-Charge assigned by CAAP.

- **Concrete Volume = 18.32 cu.m.**

c) Masonry Works

The work includes all materials, labor, and tools/equipment needed to complete the masonry works including the fabrication and installation of reinforcing bars and plastering as indicated on the approved plans. Materials to be used and workmanship must be approved by the Project In-Charge assigned by CAAP.

- Total Area of Masonry Works = 167 sq.m.

d) Roofing Works

The work includes all materials, labor, and tools/equipment needed to complete the installation of 0.60mm thk. Rib-Type Metal Roof Tile, C-purlins, aluminium insulation foam and other roofing accessories as indicated on the approved plans. Materials to be used and workmanship must be approved by the Project In-Charge assigned by CAAP.

- **Total Roofing Area = 65 sq.m.**

e) Ceiling Works

The work includes the supply of labor, materials, tools and equipment needed to complete the ceiling works using PVC Ceiling Panel 8 x 250 x 2950mm, wall angle, blind rivets, PVC Accessories: H-type and U-type and 4.5mm thk. x 4′ x 8′ fiber cement board on areas included in the approved plans. The installation of ceiling boards and other accessories must have the approval of the Project-in-Charge based on the approved plans prior to purchase and installation.

- **Total Area of Ceiling Works = 55 sqm**

f) Painting Works

The work includes all materials, labor, and equipment/tools to complete the painting works of the exterior wall and interior wall, using, Water proofing, masonry putty, Semi-gloss Latex Paint as indicated on the approved plans. Materials to be used and workmanship must be approved by the Project In-Charge.

- **Total Area of Painting Works = 183.50 sqm**

g) Tile Works

The work includes the supply of labor, materials, tools and equipment needed to complete the installation of tiles using 30cm x 30cm Matte Rustic Tiles, Material: Ceramic, Color: White Sugar Finish; 30cm x 60cm Matte Finish, Material: Ceramic, Color: Viene Ash; 60cm x 120cm Matte Rustic Tiles, Material: Porcelain, Color: Vernia White, Edge: Rectified; 30cm x 30cm Matte Rustic Tiles, Material: Ceramic, Color: Taupe (Gray) on areas included in the approved plans. The installation of tiles and other accessories must have the approval of the Project in-Charge based on the approved plans prior to purchase and installation.

- **Total Area of Tile Works = 102.05 sqm**

h) Cladding Works

The work includes the supply of labor, materials, tools and equipment needed to complete cladding works using 4' x 8' x 3mm Al. thickness Aluminum Composite Panel; 202mmx30mmx2.85m WPC Indoor Panel and 224x26x2900mm WPC Outdoor Cladding on areas included in the approved plans. The installation of tiles and other accessories must have the approval of the Project in-Charge based on the approved plans prior to purchase and installation.

II. PLUMBING WORKS

The work includes materials, labor, equipment/tools and testing for the installation of waterline, sanitary line, septic tank, and plumbing fixtures including standard accessories using PVC Vanity Wall Hung Cabinet, One Piece Skirted Water Closet, 350x380x750mm Urinal with Sensor, 2000L Pp/Pe Septic Tank, PPR Pipes and uPVC Pipes as indicated on the approved plans.

III. ELECTRICAL WORKS

The work includes materials, labor, and equipment/tools for the installation of lighting and power conduits including panel board, conduit fittings, pullwire, utility boxes, junction boxes, pull boxes, other hardware and accessories, lighting and ventilation fixtures: 300mmx1200mm Recessed Panel Light 48w; Pin Lights LED Bulb Concealed 6"x12Watts; 12-Inch Wall Mounted Exhaust Fan, to complete the system. Routing of conduits shall be for approval of the CAAP Project In Charge. All conduits and fittings shall be Underwriters Laboratories (UL) Listed.

IV. DOORS AND PARTITIONS

The work includes all materials, labor and tools for installation of doors and windows complete with hardware and accessories including jamb and header using 2100mm x 1800 mm, 1/2" Tempered Glass Double Swing Door (Frameless, Complete with door closer, stainless steel door handle - H-Type); 2100mm x 900 mm, 1/2" Tempered Glass Swing Door; 2100mm x 800mm Single Leaf PVC Moulded Door (Complete with 4pc. Ball Bearing hinge, Lever type (zinc alloy) Single cylinder deadbolt, Plain Matte Finish Gray); 1800mm x 1500mm Phenolic Board Partition with 1800mmx600mm Door w/ Accessories (2pc. Rising Hinge with indicator lock, Plastic door knob, adjustable foot (3pc), Coat Hook and 2700mm x 3850mm Partition Wall, 1/4" Thick Tempered Glass (Clear), 1 3/4" x 4" Tubular Framing (Powder Coated White) as indicated on the approved plans. Materials to be used and workmanship must be approved by the Project In-Charge assigned by CAAP.

B. Equipment, Tools and Consumables required to be used for the project:

a) 1 unit – Concrete Cutter
b) 1 unit – Jackhammer
c) 1 unit – Plate Compactor
d) 1 unit – One Bagger Mixer
e) 1 unit – Concrete Vibrator
f) 1 unit – Welding Machine
g) 1 unit – Hand Router
h) Scaffolding

The Contractor shall provide the required number of equipment, tools and consumables to accomplish all necessary works provided in the contract. The contractor's equipment provided therein shall be used exclusively for the contracted services.

The use of other kind of equipment other than that stated thereof will not be permitted, unless otherwise approved by the authority. Any delay caused, by

stoppage of work being authorized by the office concerned will not be taken against the contractor.

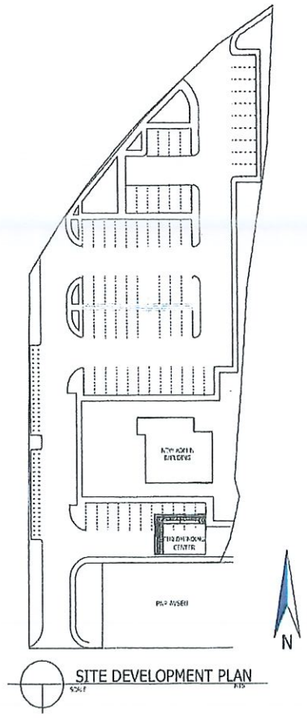
C. Period of Implementation

The contract shall be implemented for a total of 100 Calendar days, inclusive of Sundays, Holidays and 21 unworkable days for the Laoag International Airport FY2025. Provided that the contractor will only proceed upon written notice from the duly authorized representative of the Authority to commence with the project, which notice must not be less than seven (7) days from the start date.

D. Progress Billing

The contractor/service provider may submit a Statement of Work Accomplishment (SWA) or progress billing after completing each 20% milestone of the project, provided that such submission shall be made no more than once (1) per calendar month. The submitted SWA or progress billing shall be accompanied by geotagged (date and location) progress photos, properly labelled as 'Before,' 'During,' and 'After.' The End-User or Project-in-Charge shall review and reconcile the contractor's SWA with the verified actual accomplishments. Based on this reconciliation, the End-User or Project-in-Charge shall certify the amount to be paid to the contractor as progress payment.

PERSPECTIVE



SITE DEVELOPMENT PLAN

VICINITY MAP

REPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES

PREPARED :
RENZ ALDRINE A. CORPUZ
Engineer

CHECKED/VERIFIED:
JOEFFREY B. LAGADON
Engineer II, FIC - BGM

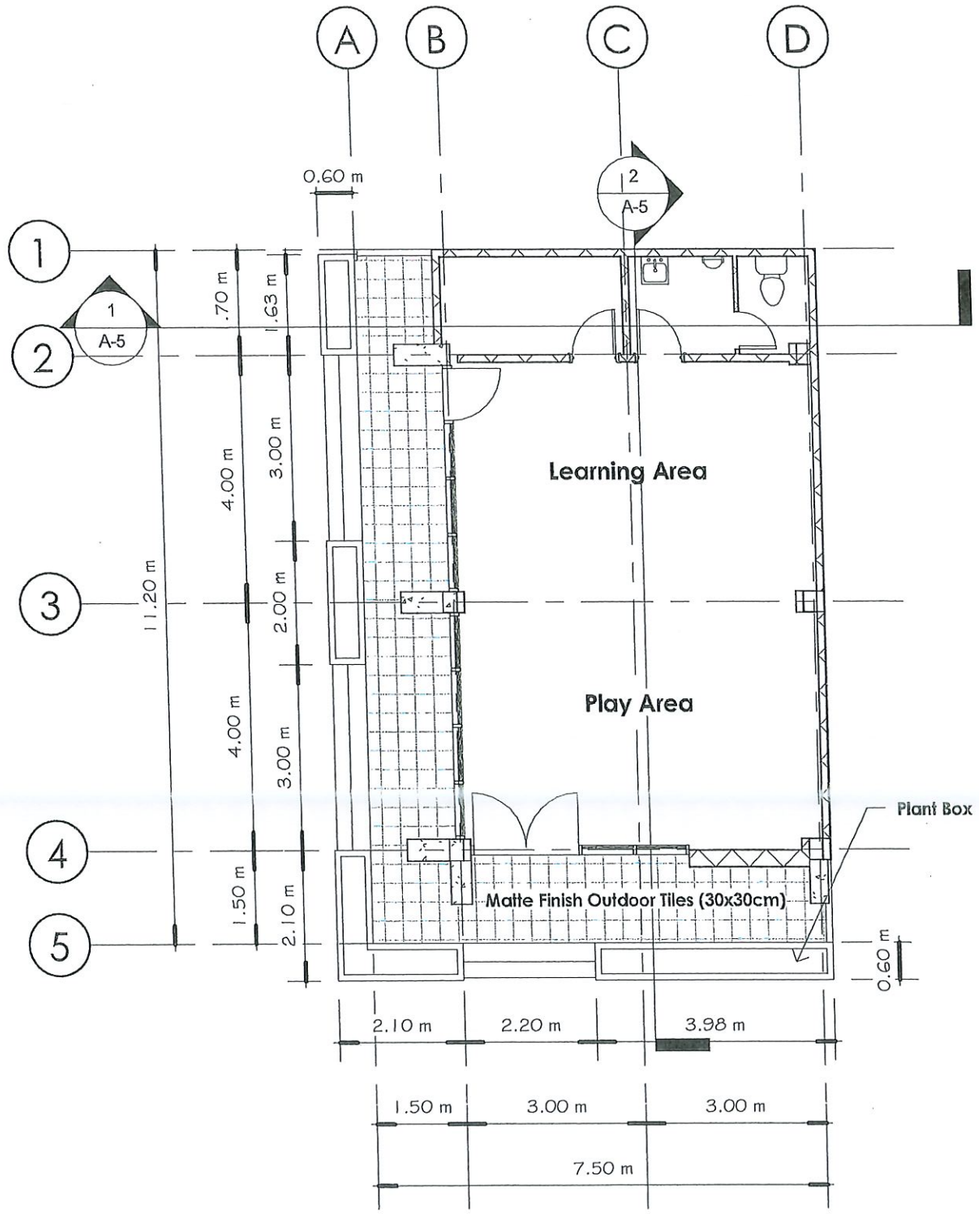
PROJECT TITLE:
CONSTRUCTION OF CHILDMINDING CENTER

LOCATION:
BRGY. 36 ARANIW, LAOAG CITY

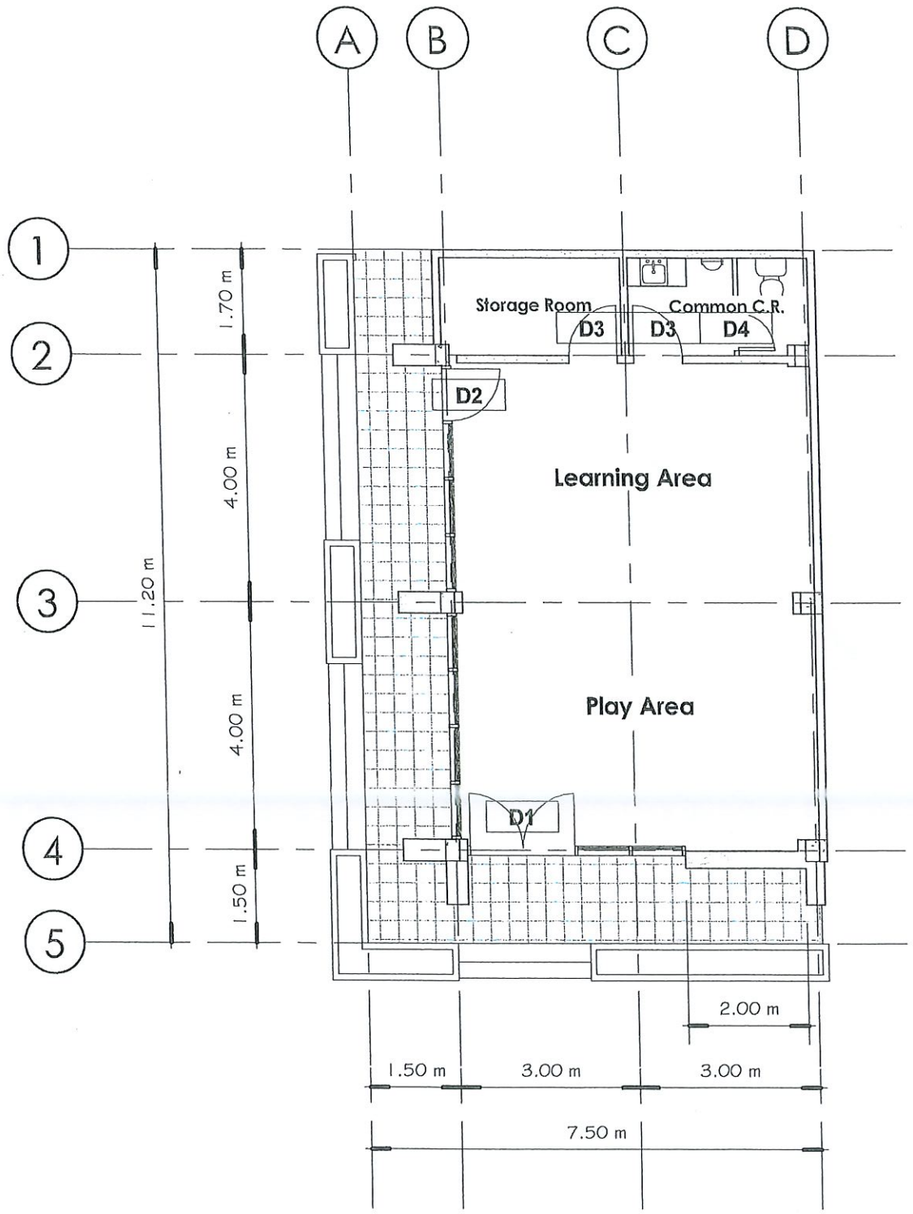
APPROVED:
RONALD V. ESTABILLO
CIVIL AVIATION AREA MANAGER, AREA 1

SCALE:

Front Page
A-1



1 Concrete Pavement
1 : 100



2 Finish Floor Line
1 : 100

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Engineer II, FIC -BGM

PROJECT TITLE:
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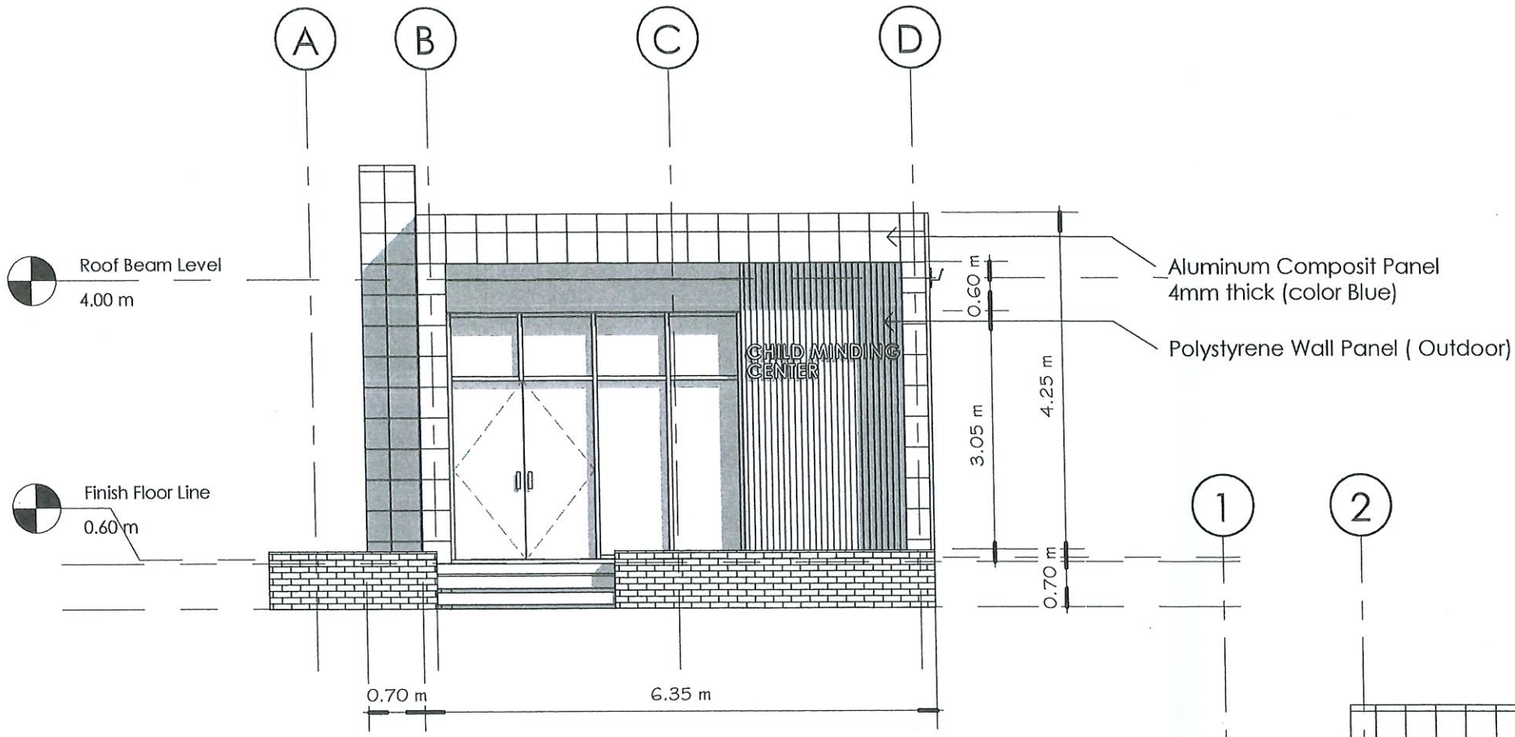
LOCATION:
BRGY. 36 ARANIW, LAOAG CITY

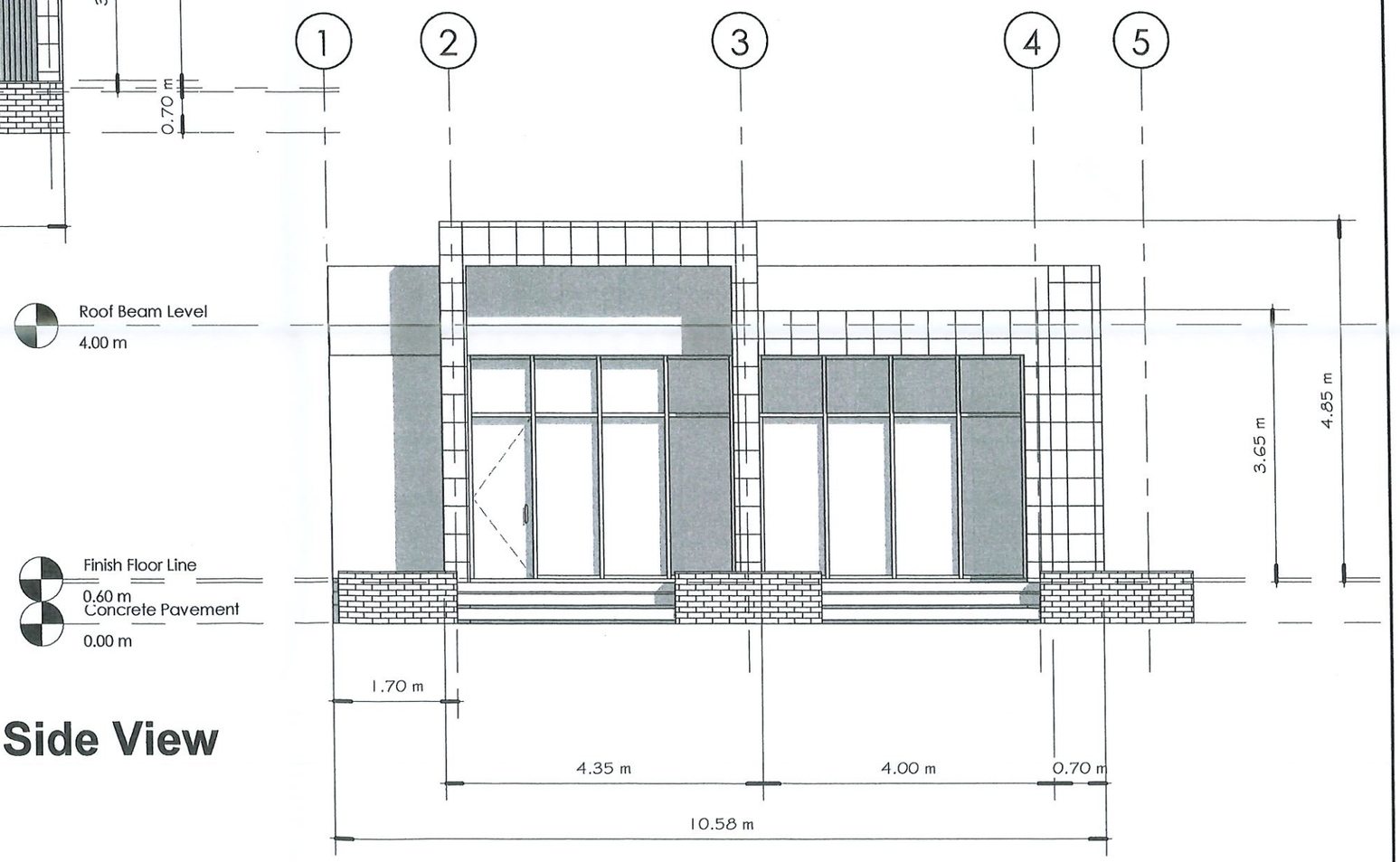
APPROVED:
RONALD V. ESTABILLO
CIVIL AVIATION AREA MANAGER, AREA 1

SCALE: 1 : 100

Floor Plan
A-2



2 Front View
1 : 75



1 Left Side View
1 : 75

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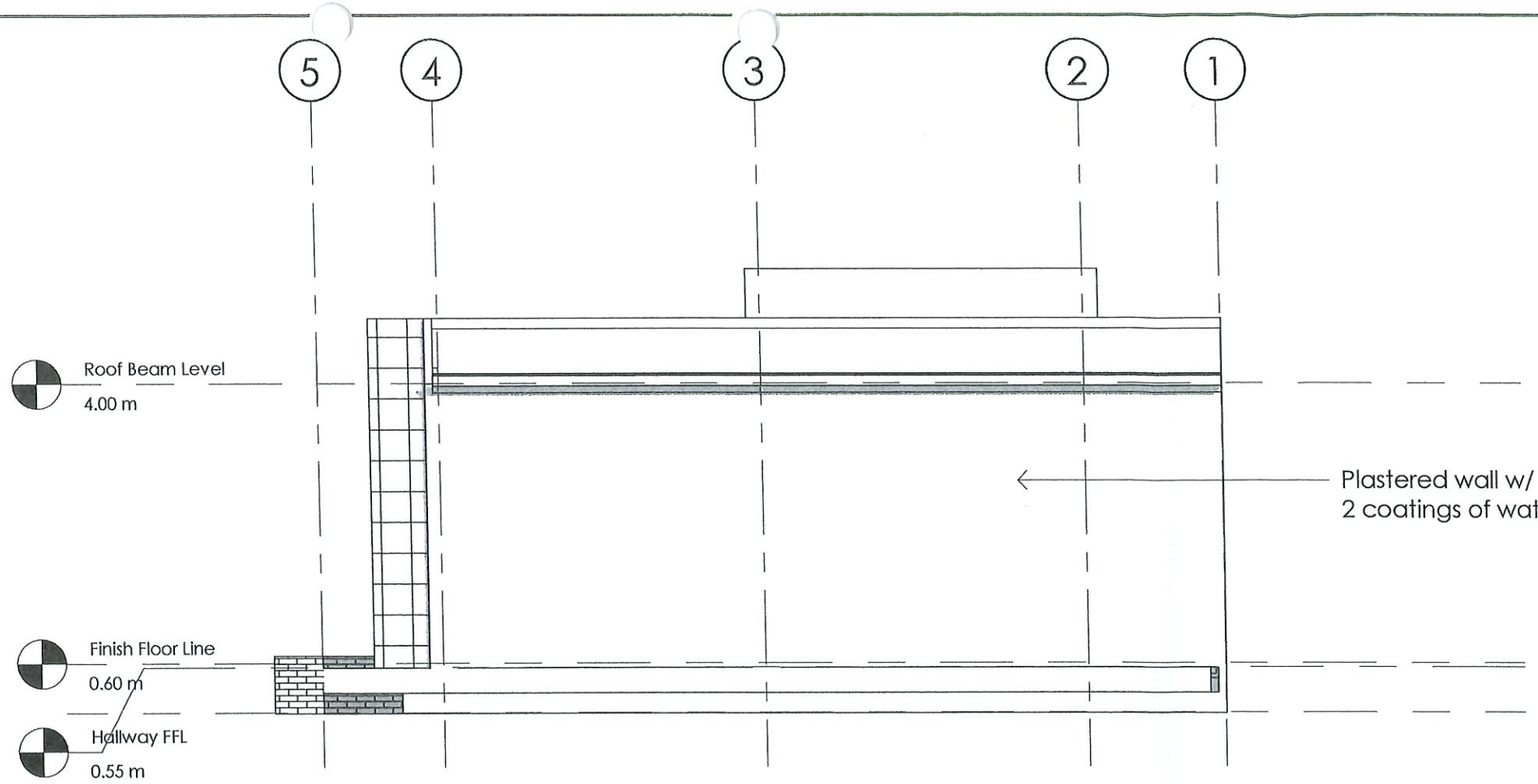
SCALE: 1 : 75

Elevations
A-3



1 Right Side View
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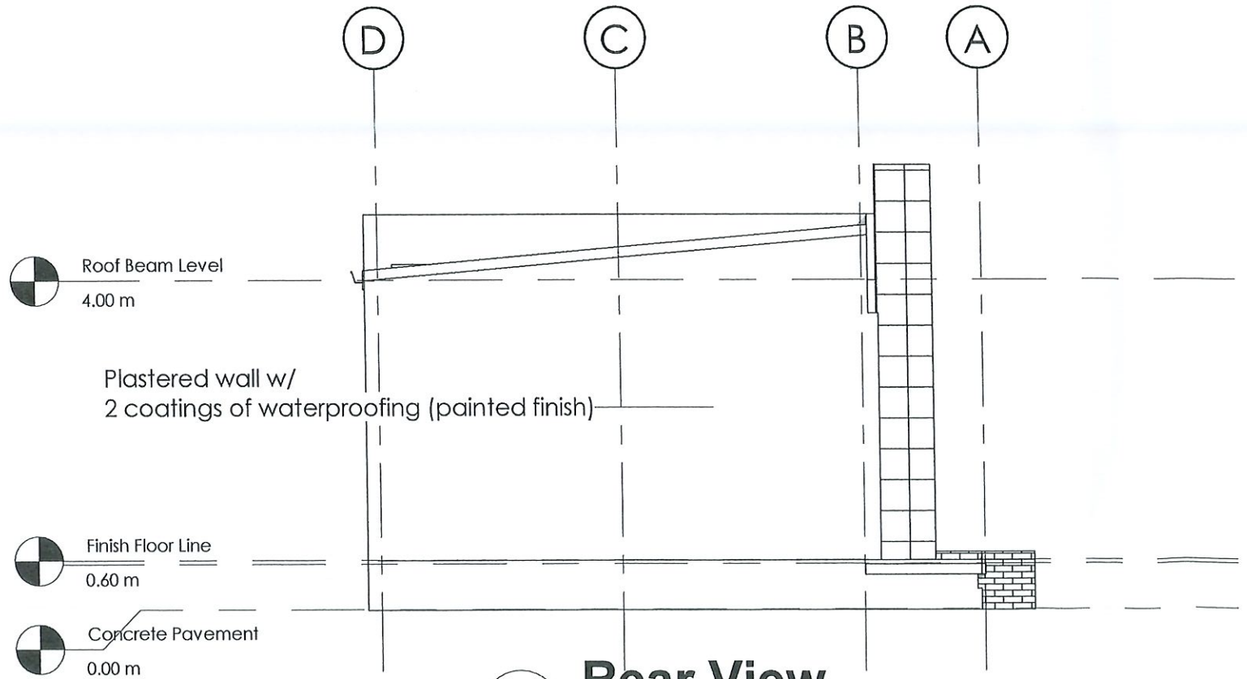

2 Rear View
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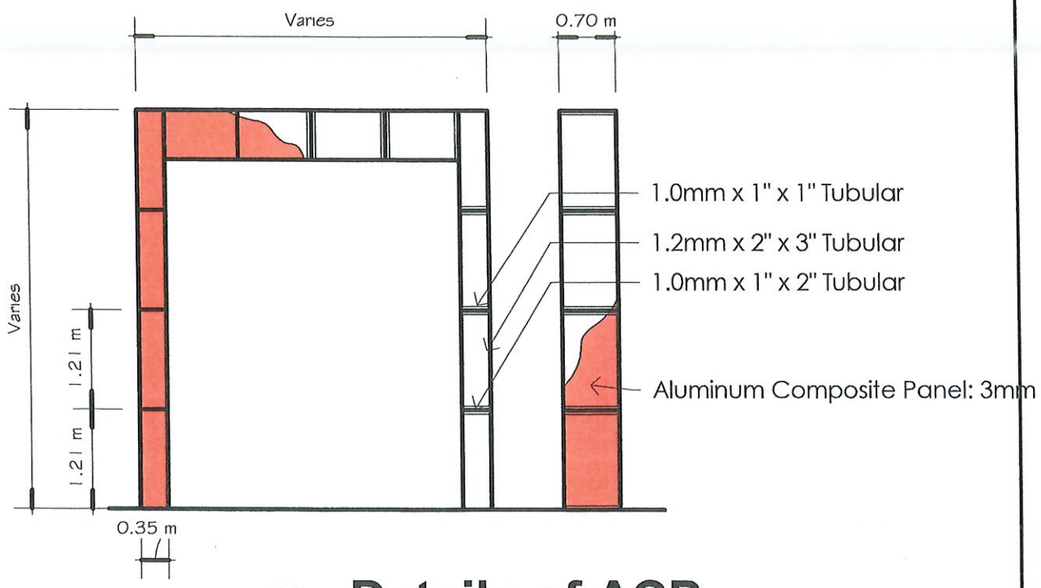

3 Details of ACP
1 : 75

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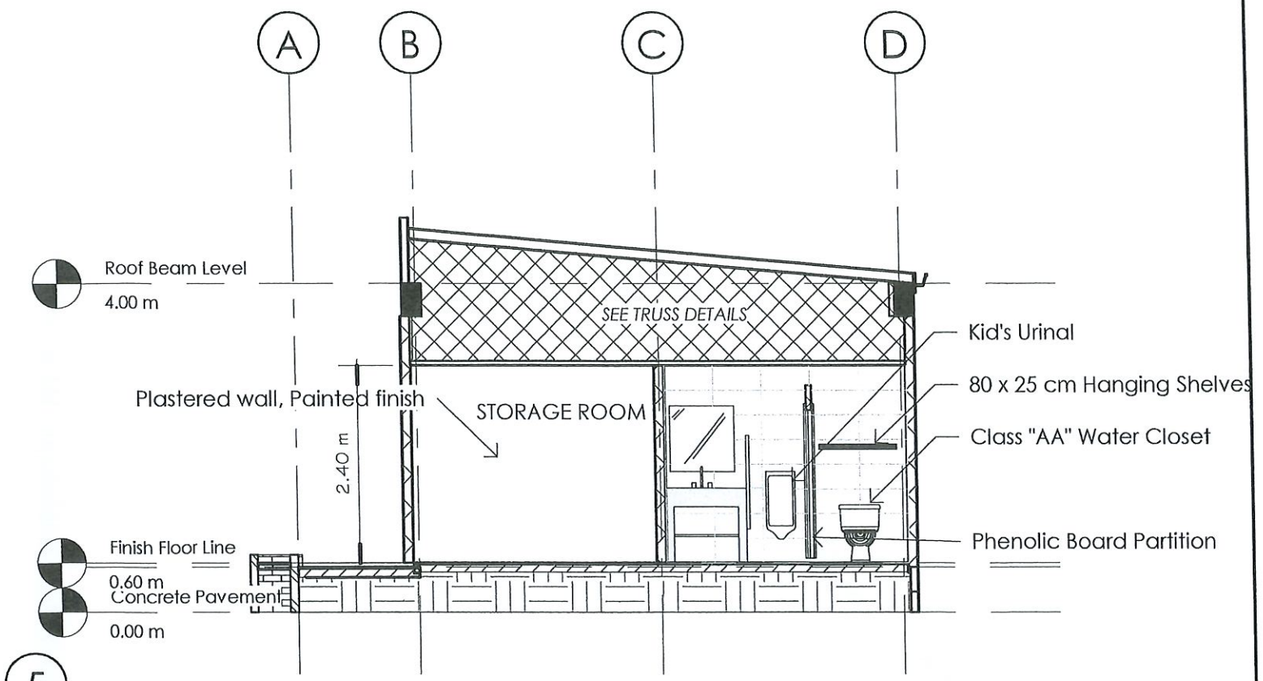
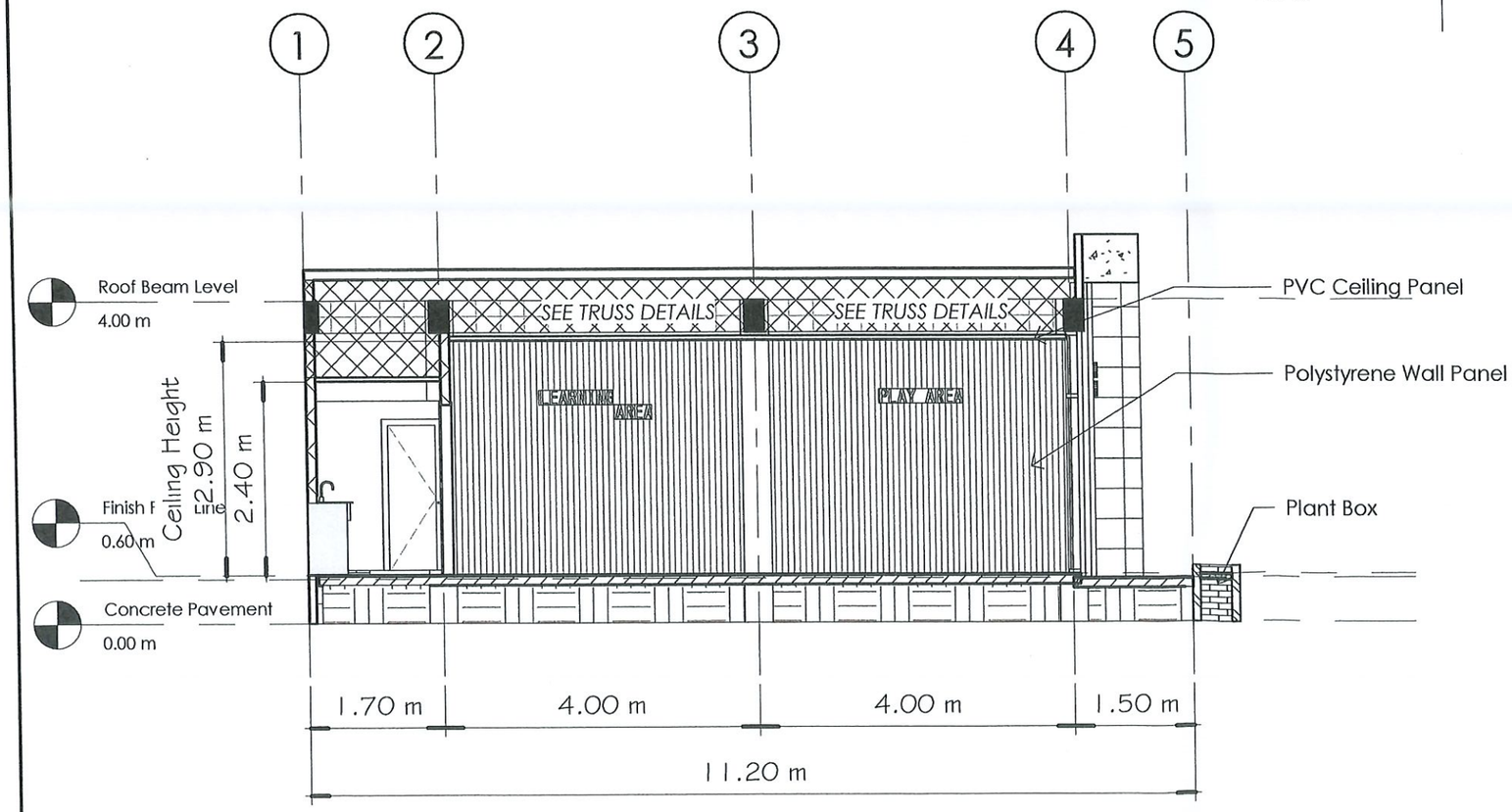
CIVIL AVIATION AREA MANAGER, AREA 1

SCALE: 1 : 75

Elevations
A-4

1 Cross Section
1 : 75





2 Longitudinal Section
1 : 75

REPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES

PREPARED:
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PROJECT TITLE:
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LOCATION:
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APPROVED:
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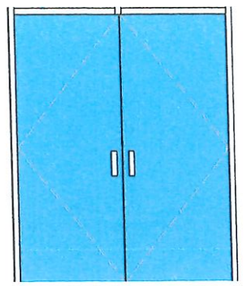
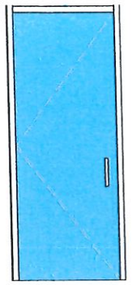
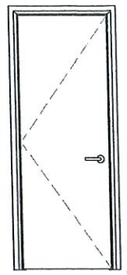
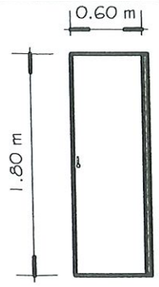
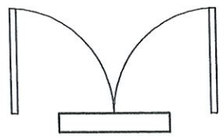
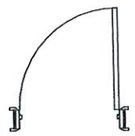
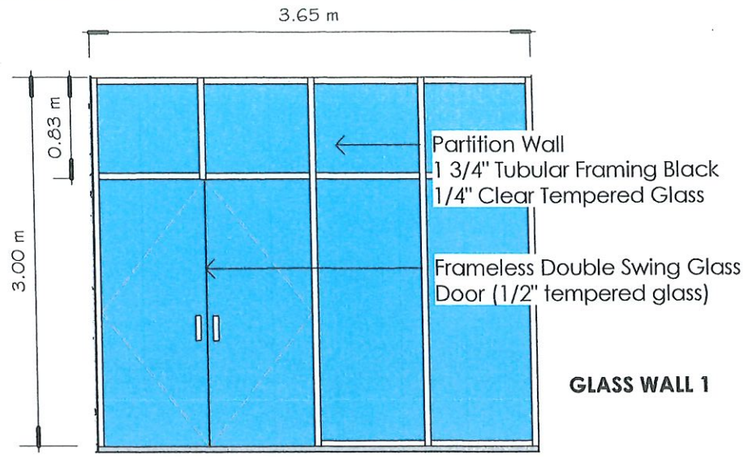
CIVIL AVIATION AREA MANAGER, AREA 1

SCALE: 1 : 75

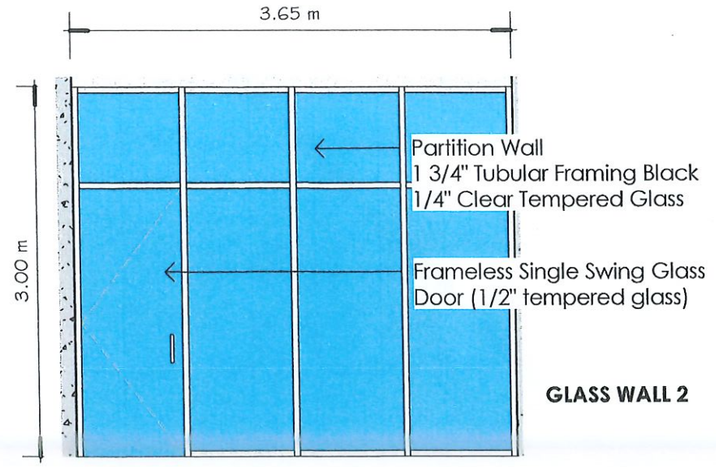
Sections
A-5

			
			
D1 1/2" Tempered Glass Double Swing Door - Frameless	**D2** 1/2" Tempered Glass Swing Door - Frameless	**D3** Single Leaf PVC Moulded Door	**D4** Phenolic Board Door w/ Accessories
Dimension: 2100mm x 1800mm	Dimension: 2100mm x 900mm	Dimension: 2100mm x 800mm	Dimension: 1800mm x 600mm
No. of sets : 1 set	No. of sets : 1 set	No. of sets : 2 set	No. of sets : 1 sets
Jamb: 1 3/4" x 4" Tubular frame	Jamb: 1 3/4" x 4" Tubular frame	Jamb: 2" x 4" Lumber	Jamb: n/a
Hardware: Heavy Duty Door Closer	Hardware: Heavy Duty Door Closer	Hardware: Ball bearing hinge(4pc.)	Hardware: Rising Hinge(2pc.)
Door handle: Stainless steel 304, H-type handle	Door handle: Stainless steel 304, H-type handle	Door knob: Lever type(zinc alloy), Single cylinder deadbolt	Accessories: Indicator lock, Plstc door knob Adjustable foot (3 pc.), Coat Hook
Finish: Clear glass	Finish: Clear glass	Finish: Plain matte finish, gray	Finish: Granite Gray

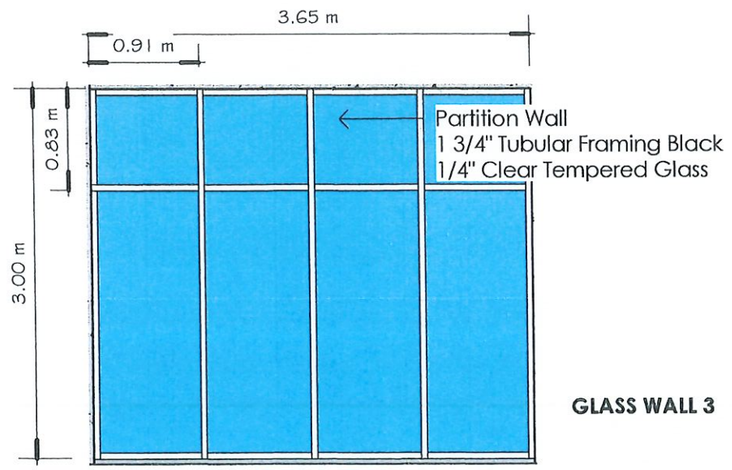
DOORS AND WINDOWS SCHEDULE



GLASS WALL 1



GLASS WALL 2



GLASS WALL 3

REPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES

PREPARED:
RENZ ALDRINE A. CORPUZ
Engineer

CHECKED/VERIFIED:
JOEFFREY B. LAGADON
Engineer II, FIC - BGM

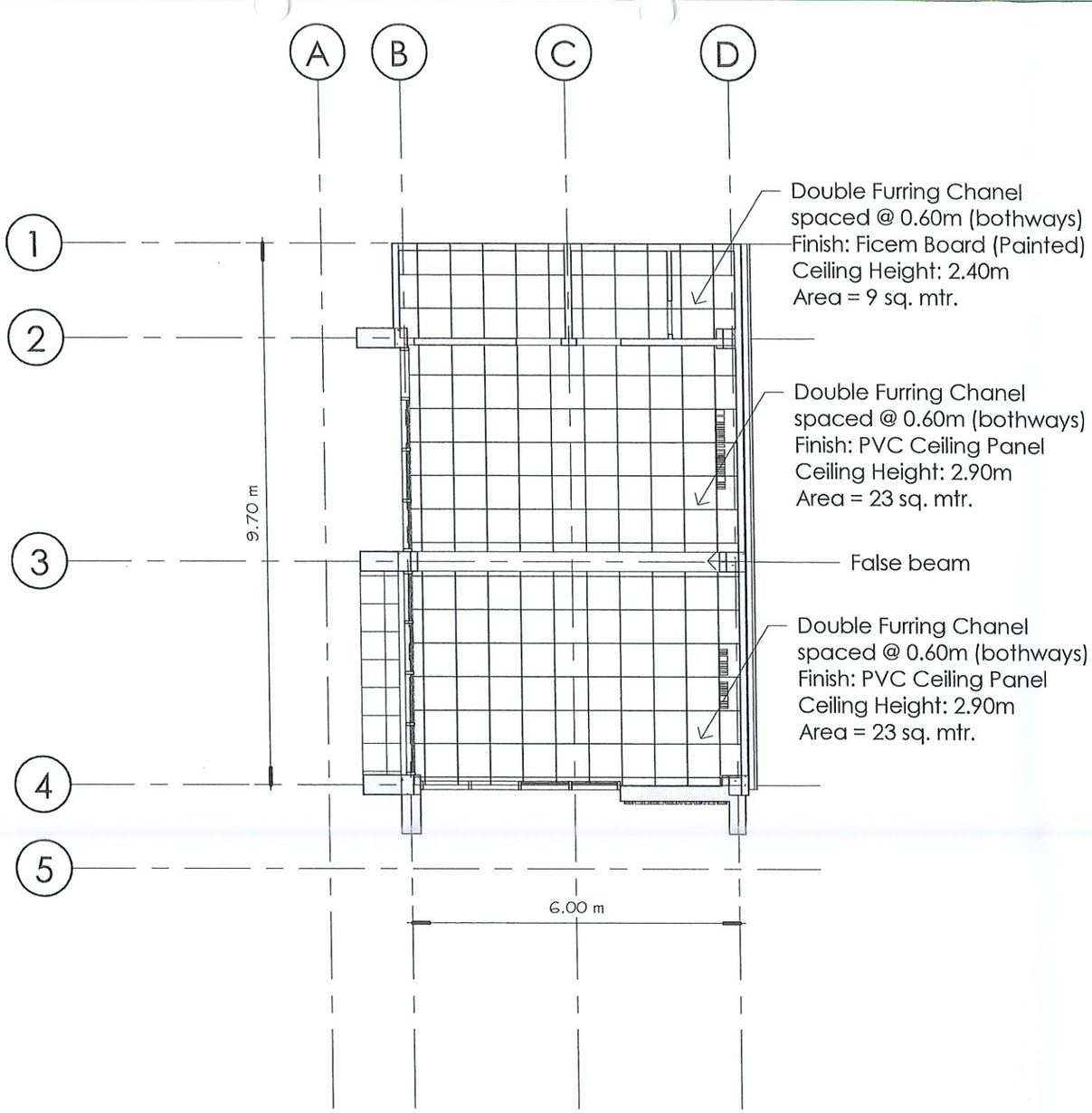
PROJECT TITLE:
CONSTRUCTION OF CHILDMINDING CENTER

LOCATION:
BRGY. 36 ARANIW, LAOAG CITY

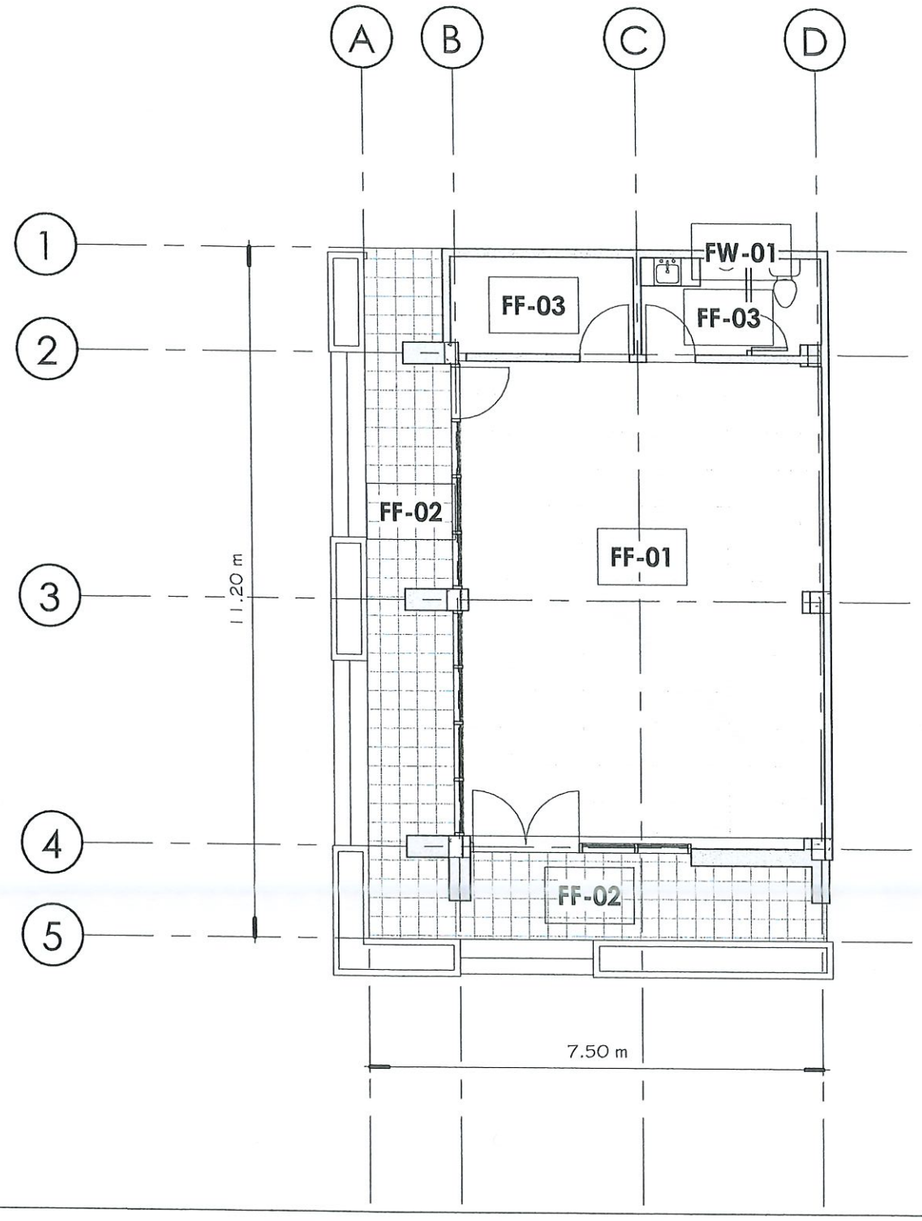
APPROVED:
RONALD V. ESTABILLO
CIVIL AVIATION AREA MANAGER, AREA 1

SCALE: 1 : 50

Doors and Windows
A-6



1 Ceiling Plan
1 : 100



TAG	FLOOR/WALL FINISHES
FF-01	600mm x 1200mm Matt Rustic Tiles, Material: Porcelain, Color: Vernia White, Edge: Rectified (Submit Sample for Approval)
FF-02	300 x 300mm Matt Rustic tiles, Material: Ceramic, Color: White Sugar Finish, Edge: Rectified (Submit Sample for Approval)
FF-03	300mm x 300mm Matt Rustic Tiles, Material: Ceramic, Color: Taupe(gray), Edge: Rectified (Submit Sample for Approval)
FW-01	300mm x 600mm Matt Finish, Material: Ceramic, Color: Vienne Ash, Edge: Rectified (Submit Sample for Approval)

2 Floor/Floor Finishes
1 : 100

REPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES

PREPARED :
RENZ ALDRINE A. CORPUZ
Engineer

CHECKED/VERIFIED:
JOEFFREY B. LAGADON
Engineer II, FIC - BGM

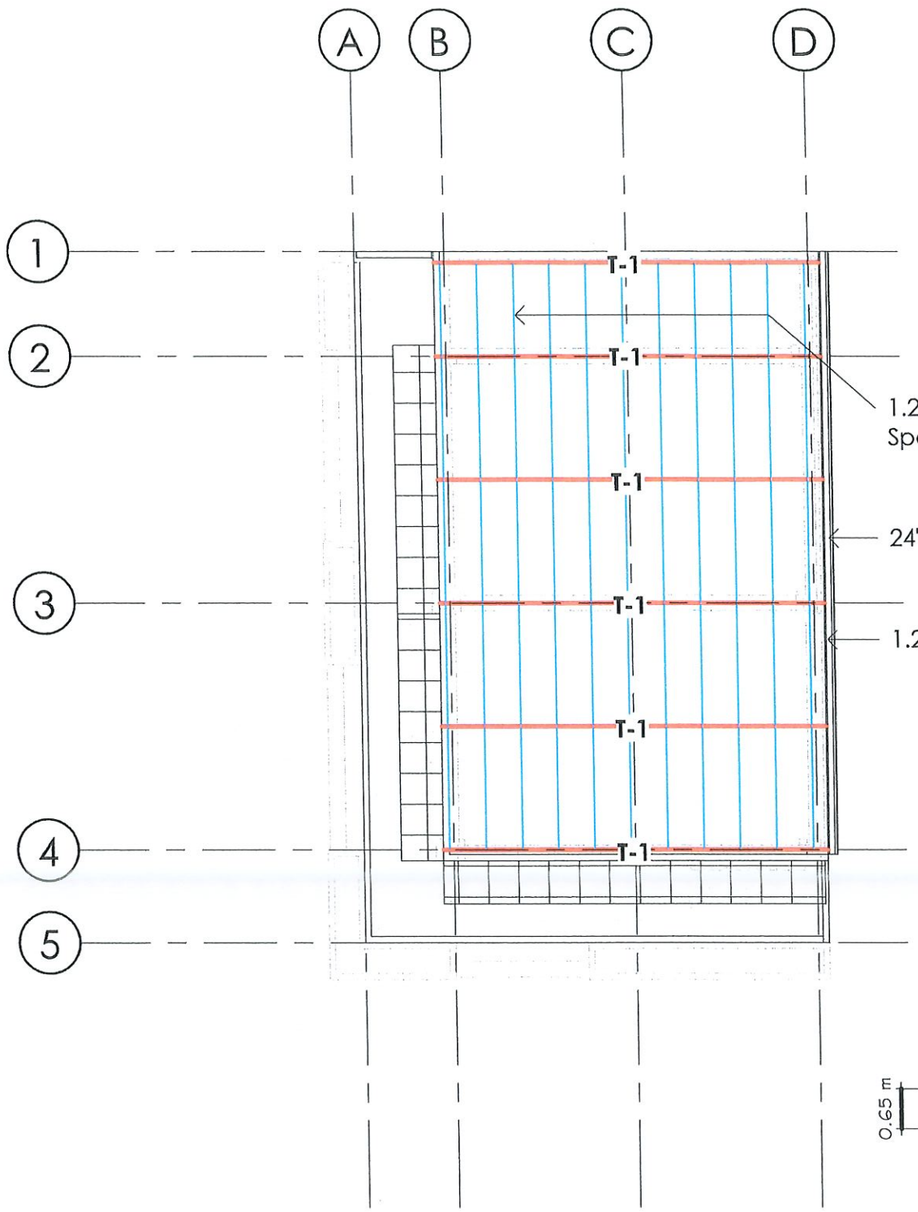
PROJECT TITLE:
CONSTRUCTION OF CHILDMINDING CENTER

LOCATION:
BRGY. 36 ARANIW, LAOAG CITY

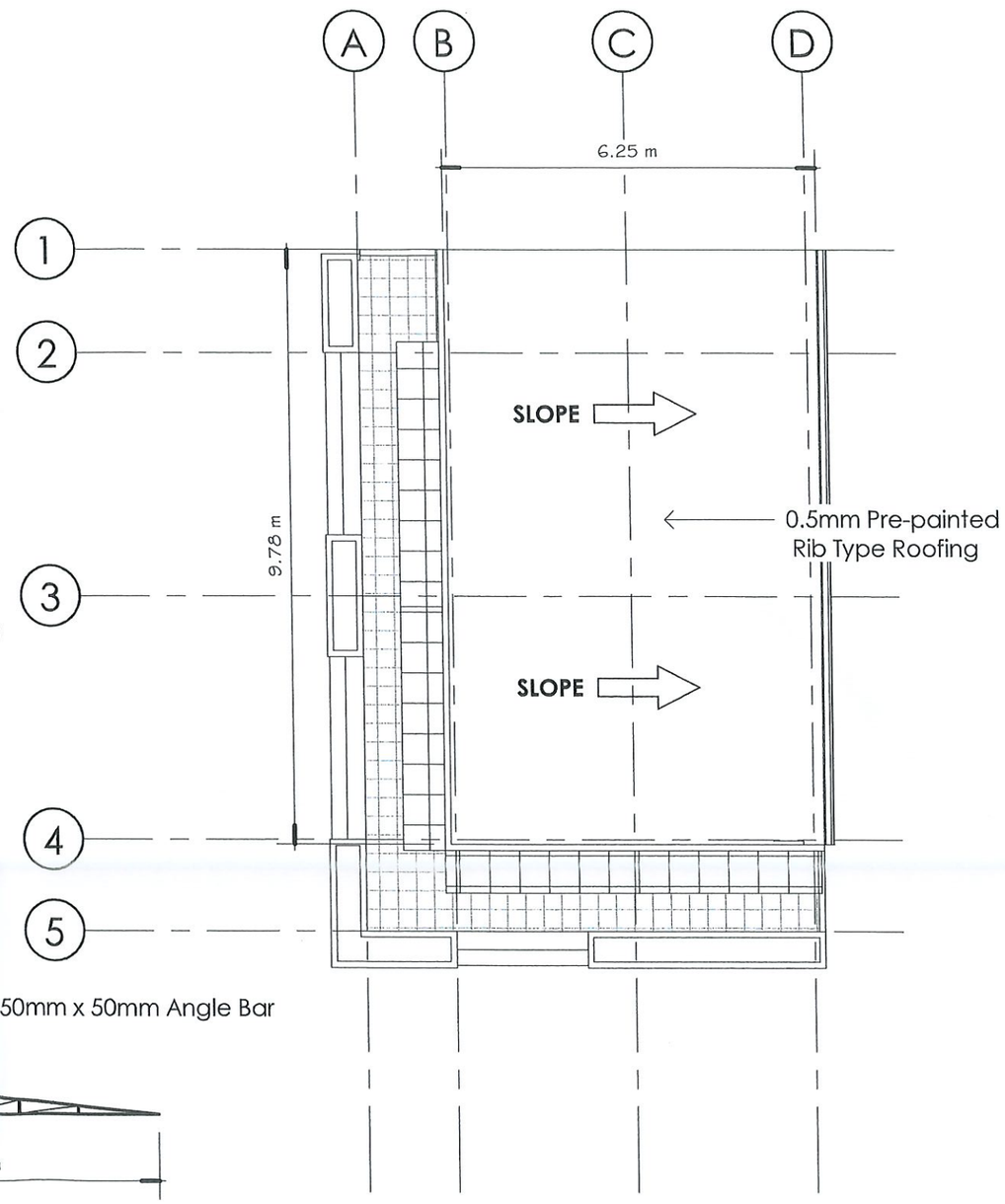
APPROVED:
RONALD V. ESTABILLO
CIVIL AVIATION AREA MANAGER, AREA 1

SCALE: 1 : 100

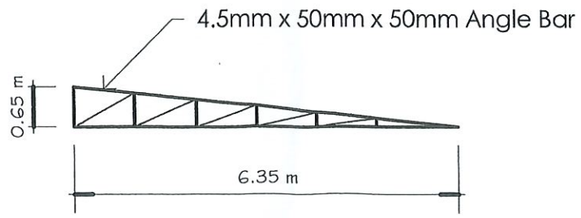
Reflected Ceiling
IA-71



1 Roof Framing Plan
1 : 100



2 Roof Plan
1 : 100



Details of T-1

REPUBLIC OF THE PHILIPPINES
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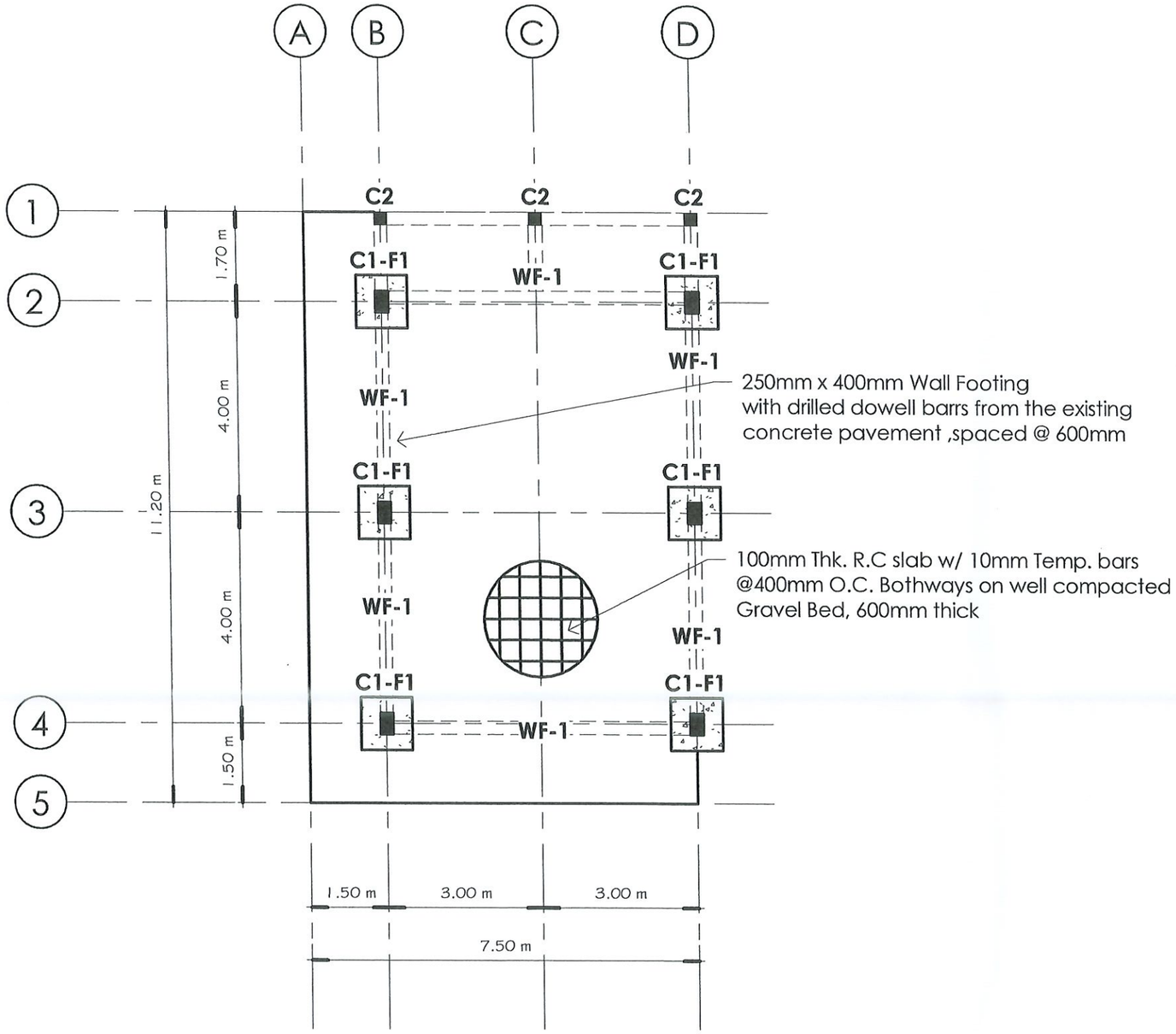
PROJECT TITLE:
CONSTRUCTION OF CHILDMINDING CENTER

LOCATION:
BRGY. 36 ARANIW, LAOAG CITY

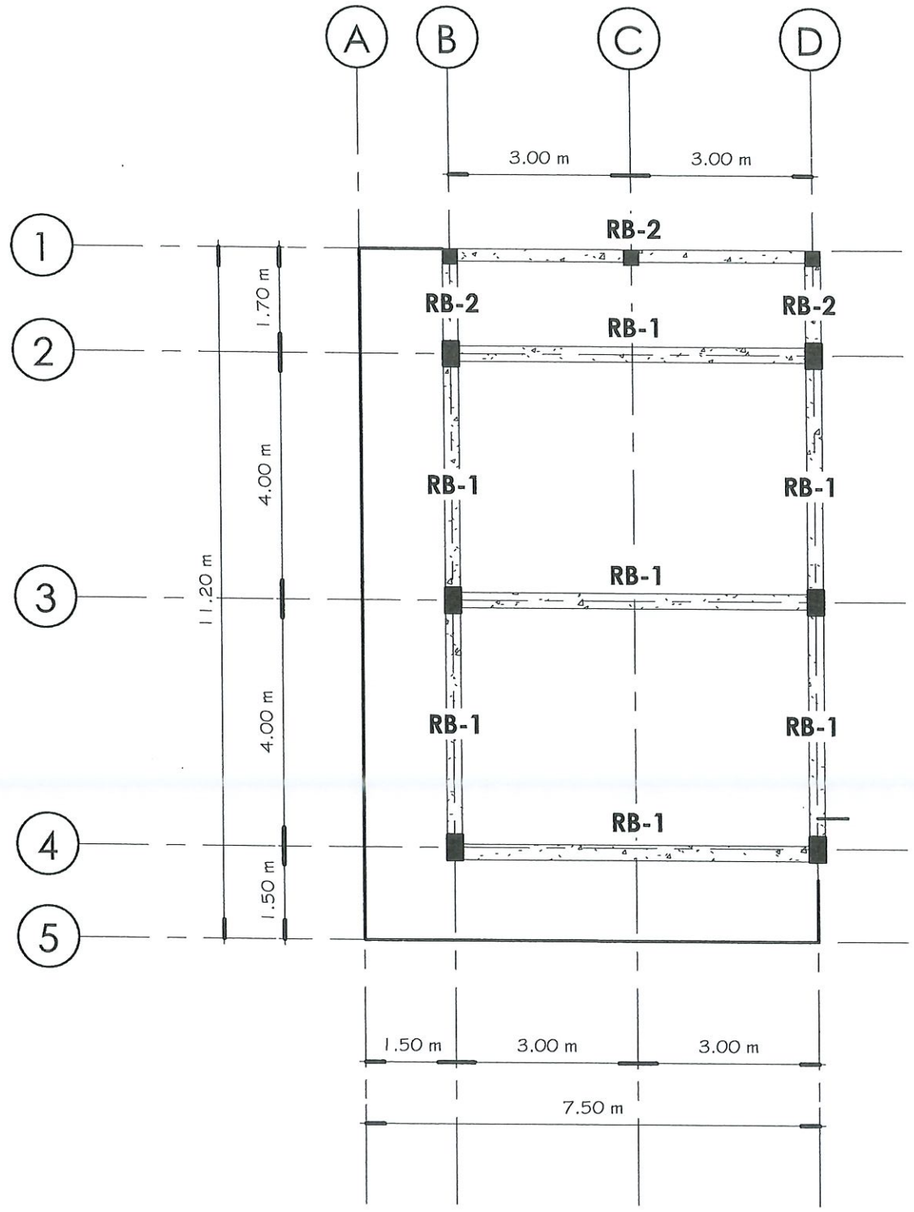
APPROVED:
RONALD V. ESTABILLO
CIVIL AVIATION AREA MANAGER, AREA 1

SCALE: 1 : 100

Roofing Plan
A-8



1 Foundation Plan
1 : 100



2 Roof Beam
1 : 100

REPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES

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PROJECT TITLE:
CONSTRUCTION OF CHILDMINDING CENTER

LOCATION:
BRGY. 36 ARANIW, LAOAG CITY

APPROVED:
RONALD V. ESTABILLO
CIVIL AVIATION AREA MANAGER, AREA 1

SCALE: 1 : 100

Foundation Plan
S-1

CONSTRUCTION NOTES:

A. GENERAL

1. CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL UNLESS OTHERWISE SHOWN OR NOTED. MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.
2. SHOP DRAWINGS WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL STEEL, MISCELLANEOUS IRON, PRE-CAST CONCRETE ETC. SHALL BE SUBMITTED FOR ENGINEER'S APPROVAL BEFORE FABRICATION.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ALL WORK IS TO BEGIN. CHECK WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR CONDUITS, PIPE SLEEVES, ETC. TO BE EMBEDED IN CONCRETE.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORINGS AND BRACING OF THE STRUCTURE FOR ALL LOADS THAT MAYBE IMPOSED DURING CONSTRUCTION.

B: CONCRETE AND REINFORCEMENT

1. ALL MATERIALS WORKMANSHIP SHALL CONFORM WITH THE LATEST BUILDING CODE OF AMERICAN CONCRETE INSTITUTE (ACI-318).
2. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS WITH CORRESPONDING MAXIMUM SIZE AGGREGATE AND SLUMPS AS FOLLOWS

LOCATION	28 DAYS STRENGTH	MAX. SIZE AGGREGATE	MAX. SLUMP
SLAB ON GRADE WALL FOOTING SUSPENDED SLAB COUNTER TOP	3000 PSI	1 In. (25 mm)	4 in. (100 mm)
FOUNDATION & COLUMN, BEAM	4000 PSI	3/4 in. (19 mm)	4 in. (100 mm)
ALL OTHERS	4000 PSI	3/4 In. (19 mm)	5 in. (125 mm)

3. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 40 FOR ø12 & SMALLER REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60 FOR ø16 & BIGGER
4. IN GENERAL, THE LATEST EDITION OF ACI-315, MANUAL OF STANDARD PRACTICE DETAILING REINFORCED CONCRETE STRUCTURES SHALL BE ADHERED TO UNLESS OTHERWISE SHOWN OR NOTED.
5. MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS.

SUSPENDED SLABS	3/4 In. (19mm)
SLAB ON GRADE	1 1/2 In. (38mm)
WALLS ABOVE GRADE	1 in. (25mm)
BEAM STIRRUPS AND COLUMN TIES	1 1/2 in. (38mm)
WHERE CONCRETE IS EXPOSED TO EARTH BUT POURED AGAINST FORMS	2 in. (50mm)
WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH	3 In (75mm)

6. SPLICES SHALL BE SECURELY WIRED AND SHALL LAP OR EXTEND IN ACCORDANCE WITH TABLE 1 (TABLE OF LAP SPLICE AND ANCHORAGE LENGTH) UNLESS OTHERWISE SHOWN ON DRAWINGS, SPLICES SHALL BE STAGGERED WHENEVER POSSIBLE.
7. ALL ANCHOR BOLTS, DOWELS, AND OTHER INSERTS, SHALL BE PROPERLY POSITIONED AND SECURED IN PLACE PRIOR TO PLACING OF CONCRETE.
8. CONTRACTOR SHALL NOTE AND PROVIDE ALL MISCELLANEOUS CURBS, SILLS, TOOLS, EQUIPMENTS AND MECHANICAL BASES THAT ARE REQUIRED BY THE ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS.
9. ALL CONCRETE SHALL BE KEPT MOIST FOR A MINIMUM OF SEVEN (7) CONSECUTIVE DAYS IMMEDIATELY AFTER POURING BY THE USE OF WET BURLAP, FOG SPRAYING, CURING COMPOUNDS OR OTHER APPROVED METHODS.
10. STRIPPING OF FORMS AND SHORES
    REFER TO TECHNICAL SPECIFICATIONS

C: CAMBER REQUIREMENTS

1. UNLESS PTHERWISE NOTED ON THE PLANS OR SPECFICATIONS, CAMBER ALL R.C BEAMS AT LEAST 10mm FOR EVERY 4000mm OF CLEAR SPAN EXCEPT CANTILEVERS WHICH SHALL BE 50mm FOR EVERY 3000mm OF CLEAR SPAN.
2. UNLESS OTHERWISE NOTED IN PLANS OR SPECIFICATIONS, CAMBERS ALL SLABS 8mm PER 3000mm OF SHORTER SPAN AND 14mm. FOR EVERY 2000mm OF SLABS CANTILEVER SPAN.

D: MASONRY AND CONCRETE BLOCKS

1. ALL-LOAD BEARING TYPE CONCRETE BLOCKS SHALL HAVE A UNIT WEIGHT NOT TO EXCEED 80 PCF. FOR LOAD BEARING TYPE CONCRETE BLOCKS A MINIMUM COMPRESSIVE STRENGTH OF 6.90 MPA. SHALL BE DEVELOPED.
2. PROVIDE 1-ø16 VERTICAL BARS AT CORNERS, INTERSECTIONS, END OF WALLS, EACH SIDE OF OPENINGS.
3. LINTEL BEAMS SHALL BEAR AT LEAST 8 INCHES (200 MM.) ON EACH SIDE OF MASONRY WALL OPENING.
4. WALL REINFORCEMENTS SHALL BE AS FOLLOWS:

WALL THICKNESS	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT
8 IN. (200 mm)	ø12 @ 400 mm	ø10 @ 600 mm
6 IN (150 mm)	ø10 @ 600 mm	ø10 @ 600 mm
4 IN. (100 mm)	ø10 @ 600 mm	ø10 @ 600 mm

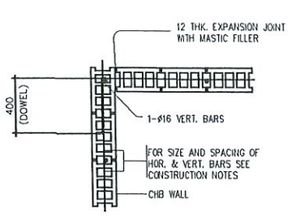
5. REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 40 BARS DIAMETERS WHERE SPLICED DOWELS FROM CONCRETE FOOTINGS OR SLABS EXTEND INTO THE BLOCK WALL A MINIMUM OF 40 BAR DIAMETERS, AND DOWELS TO MATCH VERTICAL REINFORCEMENTS OF WALL.
6. ALL CELLS CONTAINING REINFORCING BARS OR INSERTS SHALL BE SOLIDLY FILLED WITH CONCRETE GROUT, (REFER TO SPECIFICATIONS).

E: STEEL NOTES:

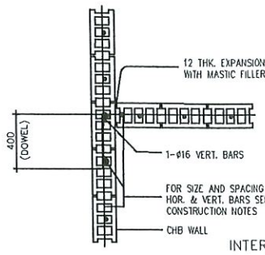
1. ALL STRUCTURAL STEEL SHAPES SHALL CONFORM TO STD. REQUIREMENTS OF AISC FOR ASTM A36 STEEL
2. ALL COLD FORMED STEEL SHAPES SHALL CONFORM TO STD. REQUIREMENTS OF AISI FOR JIS G3141 SPCC
3. ALL WELDS SHALL CONFORM WITH AWS STD.
4. CONNECTORS
   BOLTS ASTM A307 OR ASTM A325 AS SPECIFIED
   WELDS E60XX ELECTRODE

F: FOUNDATION

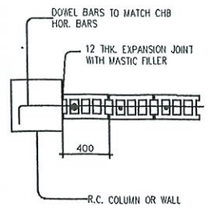
1. FOUNDATION IS DESIGNED BASED ON THE ASSUMPTION OF 120 KPA SOIL BEARING CAPACITY FOR FOOTING NOT LESS THAN 1.5M.
2. FOUNDATION SHALL REST ON NATURAL SOIL, UNLESS OTHERWISE NOTED BY THE ENGINEER, NO PART OF THE FOUNDATION SHALL REST ON FILL.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AFTER FOOTING EXCAVATION HAVE BEEN COMPLETED AND PRIOR TO CONCRETING TO CONFIRM THE DESIGN SOIL BEARING CAPACITY.
4. THE CONTRACTOR SHALL HAVE THE SOLE RESPONSIBILITY TO DEVISE & IMPLEMENT EXCAVATION PROCEDURES THAT WILL ENSURE SAFETY OF LIFE & PROPERTY.



CORNER WALL



INTERSECTION WALL



INTERSECTING R.C. COLUMN OR WALL

TYPICAL CONNECTION DETAIL OF MASONRY WALL

PARAMETERS			
MATERIAL	psi	MPa	ACI 318-05
f'c	4,000	27.6	DEVT. & SPLICE LENGTH
fy	60,000	414	ø16 & HIGHER
fyh	40,000	276	ø12 & LOWER

TIE ø	10	STIRRUP ø	10
fyt	40,000	fyt	40,000

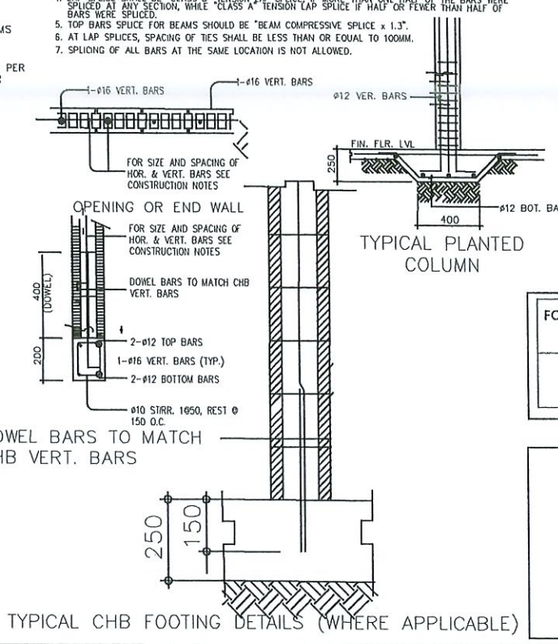
NOTES:

1. YIELD STRESS OF HOOPS-40 KSI
2. D = USE MAXIMUM COLUMN DIMENSION, 1/6 CLEAR HEIGHT OR 18" (450mm) WHICHEVER IS GREATER.
3. NUMBER OF HOOP TIES SAME AS PER COLUMN TIES SCHEDULE.
4. ALL CONCRETE REINFORCEMENT DETAIL SHOULD BE DONE INACCORDANCE WITH

BAR ø (mm)	ANCHORAGE LENGTH(mm)	Ldh (mm)	STANDARD HOOK (mm) 90°	180°	135°-90°	BEAM COMP. SPLICE (mm)
10	600	150	160	110	120~120	300
12	600	150	200	120	130~130	300
16	780	310	260	130	160~160	470
20	970	390	320	160	200~320	580
25	1,210	480	400	200	250~400	730
28	1,370	540	480	260		820

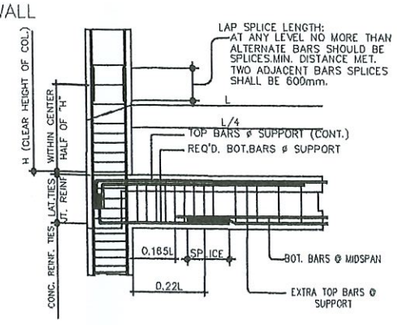
TENSION LAP SPLICE (mm)					UNIT WT (kg/m)
LAP CLASS	BEAM TOP BAR	BEAM BOTTOM BAR	COLUMN TIED	COLUMN SPIRAL	
A	300	300	300	300	0.616
B	390	390			
A	310	310	310	310	0.888
B	400	400			
A	460	610	610	610	1.578
B	600	800			
A	580	760	760	760	2.466
B	750	990			
A	1150	1190	1190	1190	3.853
B	1500	1550			
A	1190	1330	1330	1330	4.834
B	1550	1730			

NOTES:
1. DEVELOPMENT LENGTH OF INDIVIDUAL BARS WITHIN A BUNDLE, IN TENSION OR IN COMPRESSION, SHALL BE THAT FOR INDIVIDUAL BARS, INCREASED 20% FOR THREE-BUNDLED AND 33% FOR FOUR-BUNDLED BARS
2. FOR COLUMNS AT ANY LEVEL, NO MORE THAN ALTERNATE BARS SHOULD BE SPLICED, NOT MORE THAN 33% OF THE BARS SHALL BE SPLICED WITHIN THE REQUIRED LAP LENGTH. MINIMUM DISTANCE BETWEEN TWO ADJACENT SPLICED SHALL BE 600 mm.
3. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 300mm. DEPTH OF CONCRETE CAST BELOW REINFORCEMENT
4. LAP SPLICE SHALL BE "CLASS B" TENSION LAP SPLICE, IF MORE THAN ONE HALF OF THE BARS WERE SPLICED AT ANY SECTION, WHILE "CLASS A" TENSION LAP SPLICE IF HALF OR FEWER THAN HALF OF BARS WERE SPLICED.
5. TOP BARS SPLICE FOR BEAMS SHOULD BE "BEAM COMPRESSIVE SPLICE x 1.3".
6. AT LAP SPLICES, SPACING OF TIES SHALL BE LESS THAN OR EQUAL TO 100MM.
7. SPLICING OF ALL BARS AT THE SAME LOCATION IS NOT ALLOWED.

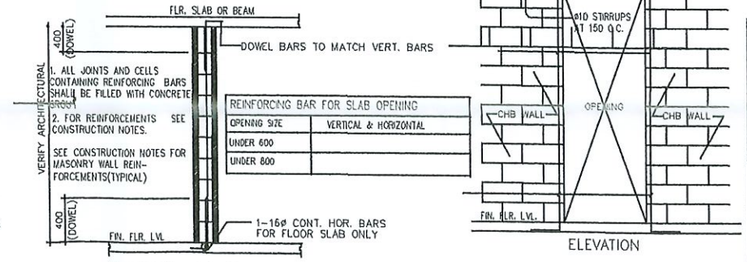


TYPICAL PLANTED COLUMN

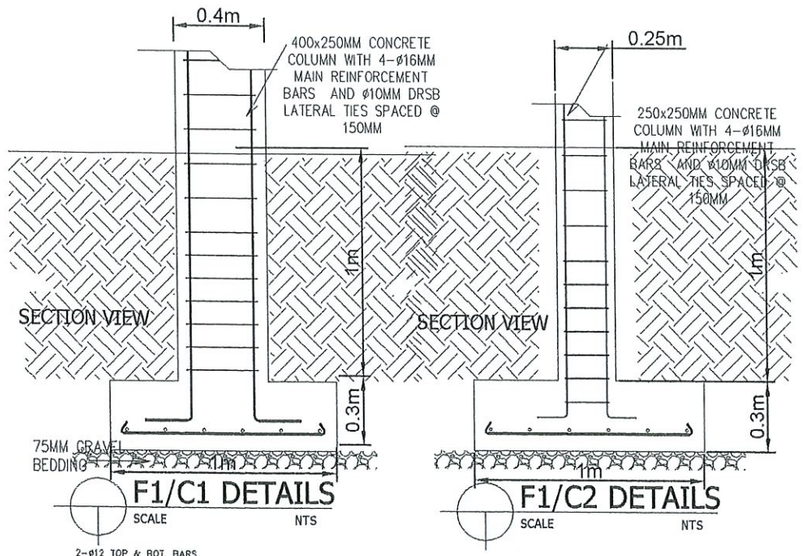
TYPICAL CHB FOOTING DETAILS (WHERE APPLICABLE)

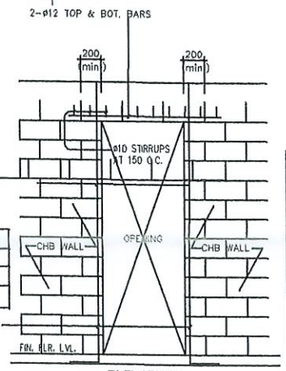


TYPICAL DETAIL OF COL. LAP SPLICE & EXT. GIRDER TO COL. CONNECTION

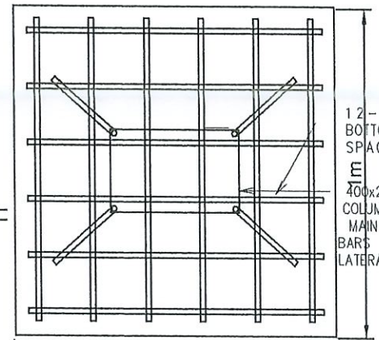


TYPICAL DETAIL OF LINTEL BEAM AT CHB WALL OPENING





ELEVATION



F1/C1 DETAILS
SCALE NTS

FOUNDATION MARK	Dimension (mm) L	B	D	Reinforcement Longitudinal Bottom Bar	Bottom Reinforcement Transverse Bottom Bar
F1	1000	1000	300	14mm@ 150mm	14mm@ 150mm

BEAM DESIGNATION	Size (mm) b	d	Top Reinforcement Left	Mid	Right	Bottom Reinforcement Left	Mid	Right	Stirrup
RB-1	250	400	2-14mm + 2-14mm	2-14mm	2-14mm + 2-14mm	2-14mm	2-14mm + 1-14mm	2-14mm	10mm dia. RSB Stirrups Spaced @ 1-50mm, 2-75mm, 3-100mm, 3-150mm rest @ 200mm
RB-2	250	400	2-16mm	2-16mm	2-16mm	2-16mm	2-16mm	2-16mm	10mm dia. RSB Stirrups Spaced @ 1-50mm, 2-75mm, 3-100mm, 3-150mm rest @ 200mm

COLUMN MARK	Dimension (mm) D	B	Cover (mm)	Reinforcement Countinous Vertical Bar
C1	400	250	50	4-16mm RSB
C2	250	250	50	4-12mm RSB

REPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES

PREPARED BY:
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Engineer

CHECKED/ VERIFIED BY:
JOEFFREY B. LAGADON
Engineer II, FIC-BGM

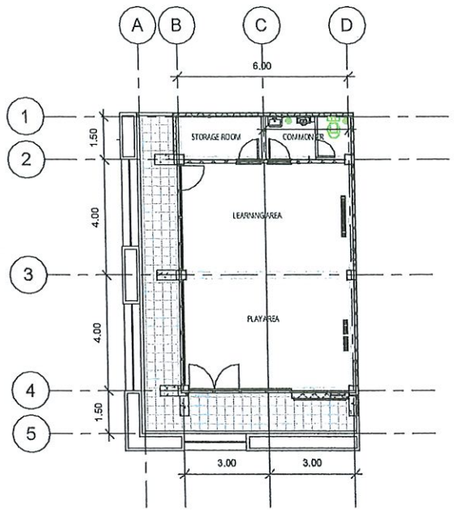
PROJECT TITLE:
CONSTRUCTION OF CHILDMINDING CENTER

PROJECT LOCATION:
BRGY. 36 ARANIW, LAOAG CITY

APPROVED:
RONALD V. ESTABILLO
CIVIL AVIATION AREA MANAGER, AREA I

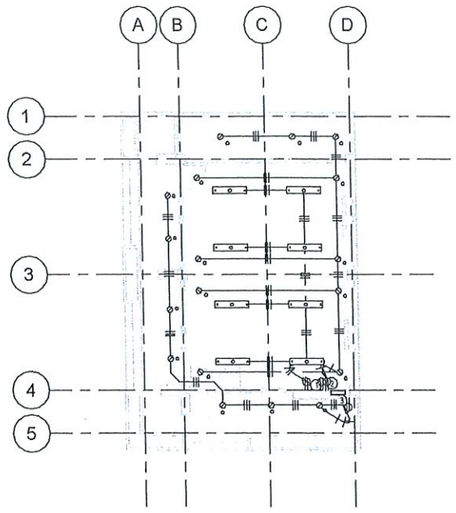
DRAWING SCALE:
AS SHOWN

SHEET NO.:

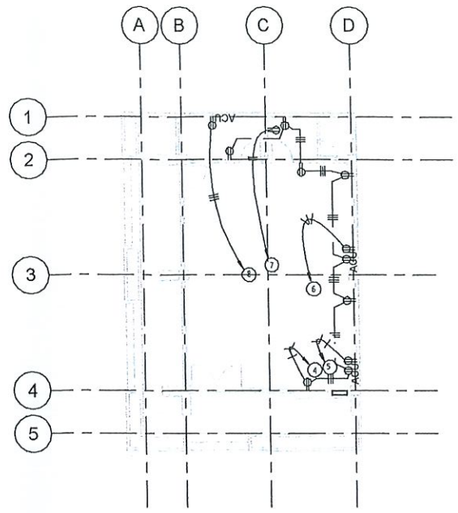


1 Level 01
1 : 100

FLOOR PLAN



2 1 - Lighting Outlet
1 : 100



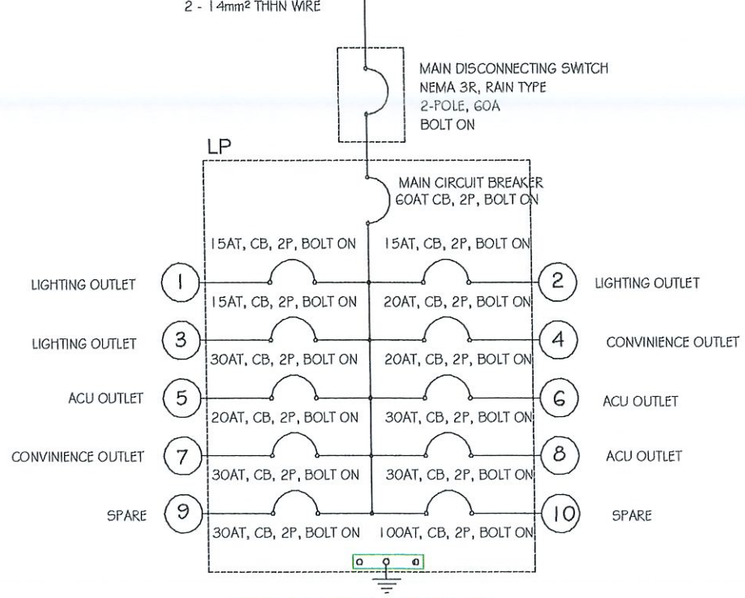
3 1 - Convinience Outlet Plan
1 : 100

ELECTRICAL PLAN

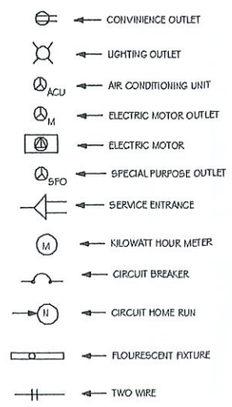
GENERAL NOTES AND SPECIFICATIONS:

1. ALL ELECTRICAL WORKS SHALL CONFORM TO THE LATES RULES AND REGULATIONS OF THE PHILIPPINE ELECTRICAL CODE.
2. ALL ELECTRICAL INSTALLATIONS SHALL BE SUPERVISED BY A DULY LICENSED ELECTRICAL ENGINEER
3. ALL SPLICES SHALL BE DONE INSIDE A JUNCTION BOX.
4. ALL WIRINGS SHALL BE IN PVC CONDUITS RUN EMBEDDED IN CHB'S OR BETWEEN CEILING AND ROOFING.
5. THE FOLLOWING ELECTRICAL DEVICES SHALL BE MOUNTED AT THE FOLLOWING HEIGHTS:
   - SWITCHES - 1.35 M ABOVE FINISH FLOOR
   - CONVENIENCE OUTLETS - 0.35 M ABOVE FINISH FLOOR
   - PANEL BOARD - 1.80 M TOP OF PANEL TO ABOVE FINISH FLOOR
5. SERVICE ENTRANCE SHALL BE OF OVERHEAD TYPE.
6. FOR CONVINIENCE OUTLET USE 2-3.5mm² THHN WIRE IN A 20mm PVC CONDUITS
7. FOR LIGHTING OUTLET USE 2-2.0mm² THHN WIRE IN A 20mm PVC CONDUITS.

4 GENERAL NOTES AND SPECIFICATIONS
1 : 100



5 SINGLE LINE DIAGRAM
1 : 150



6 LEGENDS
1 : 100

COMPUTATIONS:

THE OFFICE HAS A FLOOR AREA OF 57.0 SQ. MTRS. IT HAS TYPICAL LOADS OF 3-1.5 HP ROOM AC INVERTER TYPE

1. TOTAL LOAD
   a). General Lighting and Convinience Receptacle Load:
   Note: Table 2.20.2.3 includes the receptacle outlets of 20 Amperes or less.
   57.0 m² x 28VA/m² = 1596.0VA
   The computed load is 1596VA/230V=6.94Amps.
   One Branch ckt of 15Amps for Lighting Outlet
   One Branch Ckt of 20Amps for Convinience Outlet
   b). Other Loads
   3 x 1.5HP Room AC Inverter Type @ 100%DF
   3 x 10Amps x 230Volts 6900.0VA
   I = 6900 = 25.95Amps
   Provide 3 x 20Amps Room ACU Ckts
   2 x Spare @ 1500VA 100%DF = 3000.0VA
   Total Net Computed Load= 11496.0VA

2. CIRCUIT REQUIREMENT
   USE 7 - 20 AMPERES 2-WIRE BRANCH CIRCUITS, 3 - 15 AMPERES 2 - WIRE BRANCH CIRCUITS

3. SERVICE ENTRANCE CONDUCTORS
   TOTAL FULL LOAD CURRENT
   [11496.0 + 25%(2300 X 3)]/230 =57.48AMPERES
   USE 2 - 22mm² THW WIRE
   1- 8.0mm² THHN WIRE FOR GROUNDING
4. SERVICE EQUIPMENT
   a). Maximum current rating of protective device with inverse time circuit breaker.
   [1596 + 6900 + 2.5(2300)]/230 = 61.94 AMPERES
   b). Sevice Equipment Rating
   Use 1 - 70Amperes 2-Pole, 240 V Molded Case Bolt On

7 COMPUTATIONS
1 : 100

Republic of the Phillipines
CIVIL AVIATION AUTHORITY OF THE PHILLIPINES

PREPARED:
ROMUALDO U. BAYANGOS
ELECTRICAL ENGINEER

CHECKED/VERIFIED:
JOEFFREY B. LAGADON
ENGINEER II -FIC/BCM

PROJECT TITLE:
Construction of Childminding Center

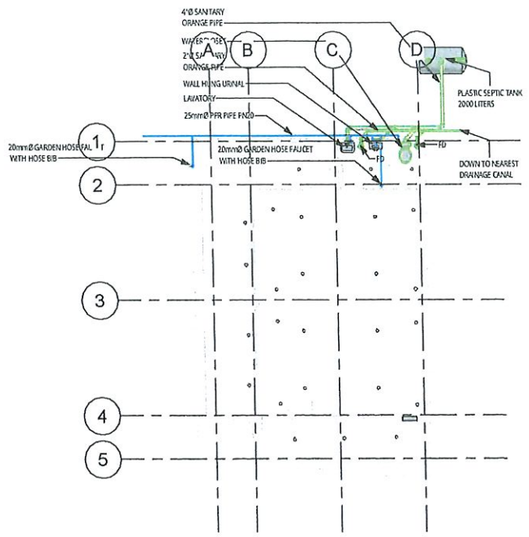
LOCATION/ADDRESS:
Laoag International Airport,
Brgy. 36 Araniw, Laoag City

RONALD V. ESTABILLO
CIVIL AVIATION AREA MANAGER, AREA 1
HEAD, CLUSTER AREA CENTER 1

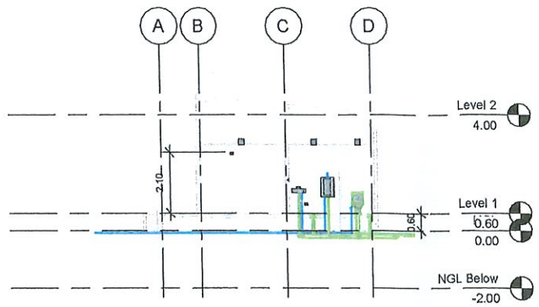
ELECTRICAL AND PLUMBING LAYOUT

E01

SCALE: As indicated



1 1 - Plumbing
1 : 100



2 Section 2
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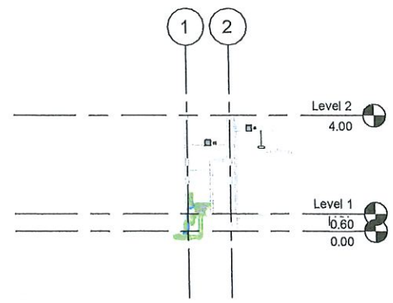

3 Section 9
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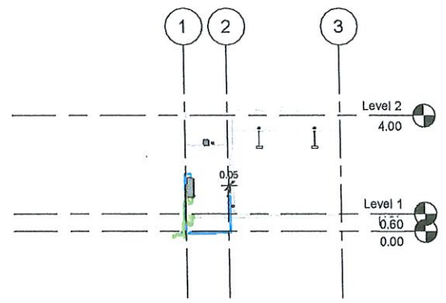

4 Section 10
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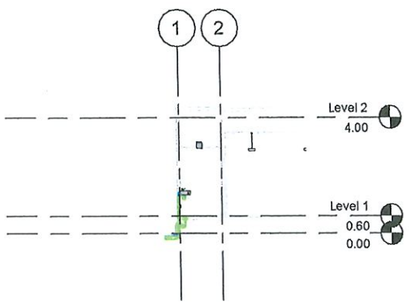

5 Section 11
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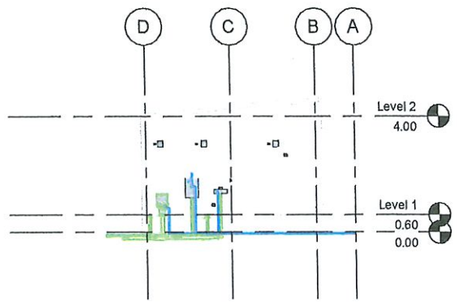

6 Section 12
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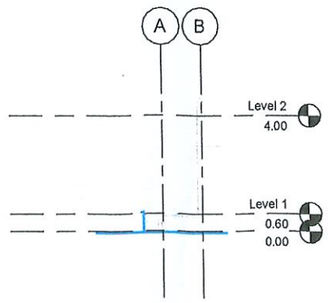

7 Section 16
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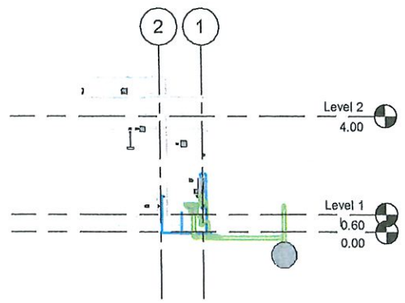
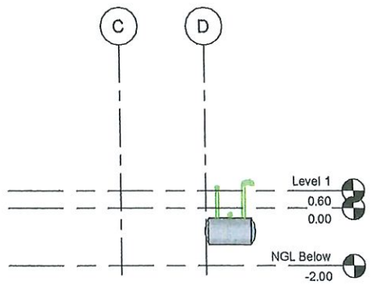


8 Section 17
1 : 100



9 Section 18
1 : 100

Republic of the Phillipines
CIVIL AVIATION AUTHORITY OF THE PHILLIPINES

PREPARED:
ROMUALDO U. BAYANGOS
ELECTRICAL ENGINEER

CHECKED/VERIFIED:
JOEFFREY B. LAGADON
ENGINEER II - FIC/BGM

PROJECT TITLE:
Construction of Childminding Center

LOCATION/ADDRESS:
Laoag International Airport,
Brgy. 36 Araniw, Laoag City

RONALD V. ESTABILLO
CIVIL AVIATION AREA MANAGER, AREA 1
HEAD, CLUSTER AREA CENTER 1

WATER AND SANITARY LAYOUT

PL01

SCALE: 1 : 100