



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
WESTERN VISAYAS
PAROLA, ILOILO CITY

DETAILED ENGINEERING DESIGN PLAN

ESTABLISHMENT OF POULTRY HOUSE
(BALIK- PROBINSYA BAGONG PAG-ASA PROGRAM 2022)

REGION VI

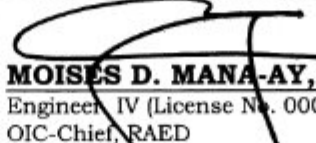
Prepared by:


SHAYNE C. VILLANUEVA, ABE
Engineer I (License No. 0008933)

Checked By:

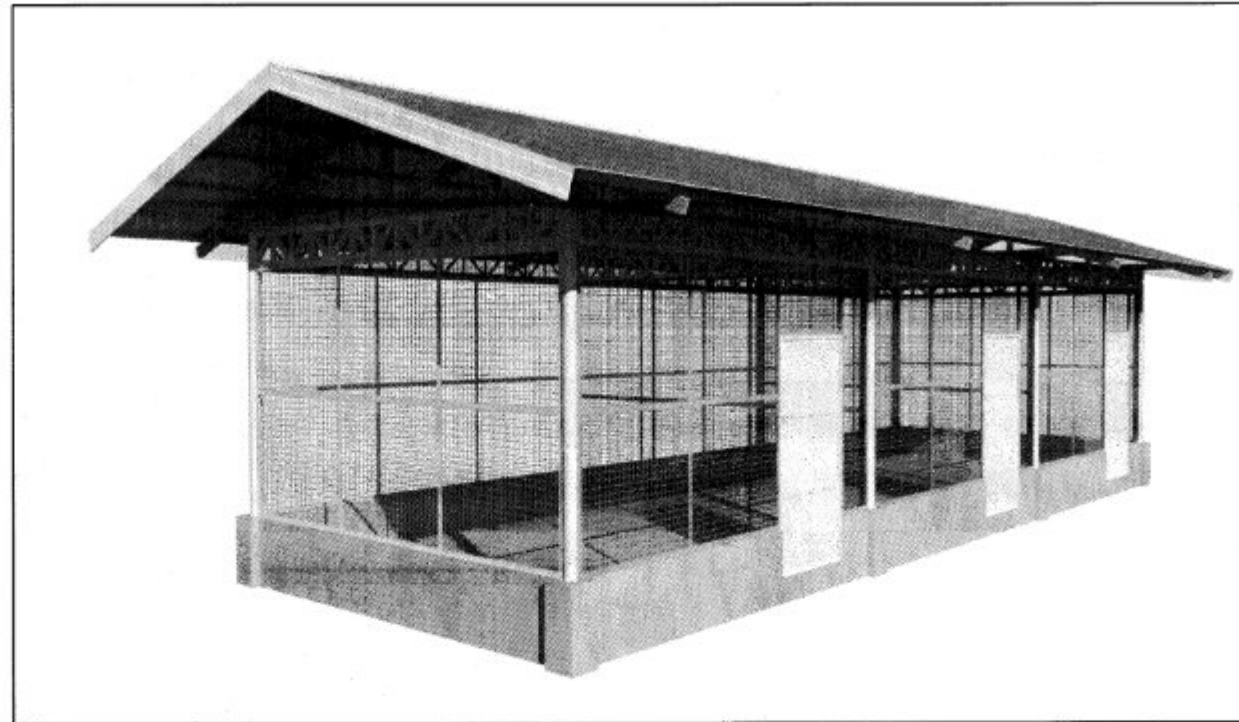

YVONNE GRACE H. SUR, ABE
Engineer III (License No. 0005970)
Head, EPDSS

Recommending Approval:


MOISES D. MANA-AY, ABE, MEE
Engineer IV (License No. 0006077)
OIC-Chief, RAED

Approved by:


JOSE ALBERT A. BARROGO, ABE
Engineer V (License No. 0003768)
OIC-RTD for Operations & Extension

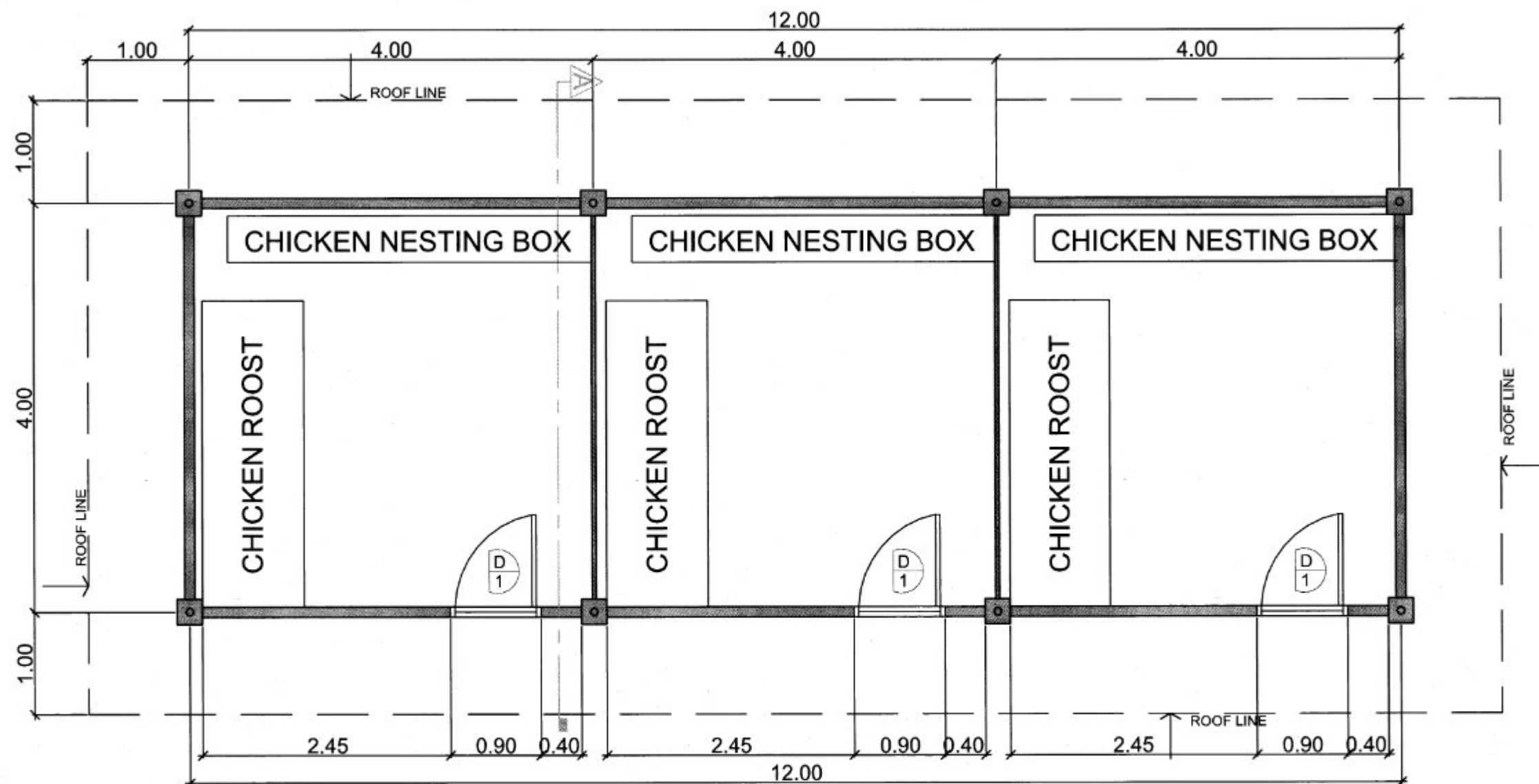


P E R S P E C T I V E
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SUMMARY OF QUANTITIES

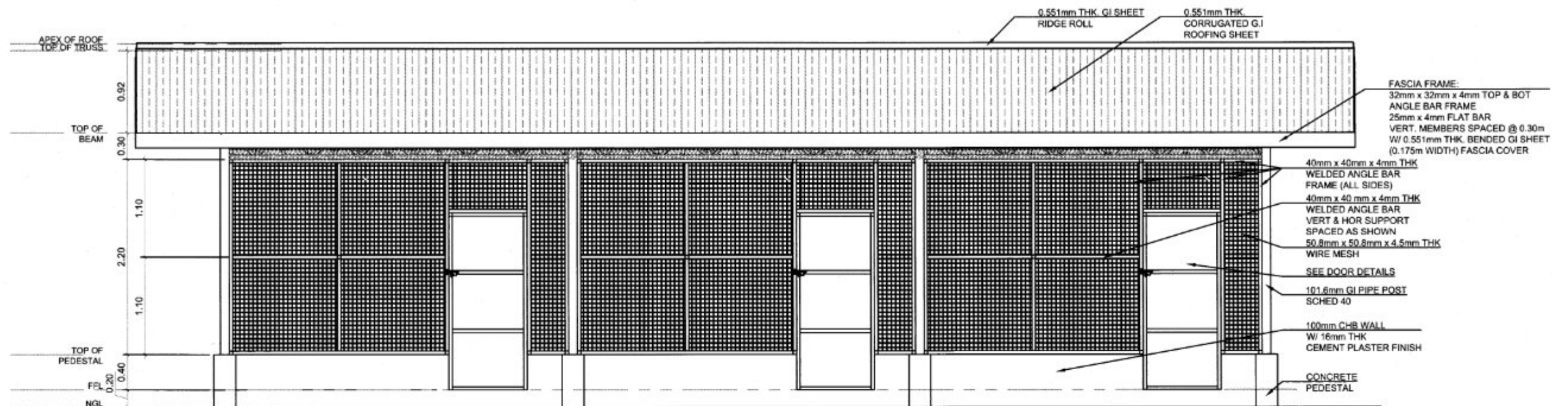
Item No.	Scope of Works	Quantity	Unit
SPL1	PROJECT MARKER, SIGNBOARD & COA BILLBOARD (1-4'x8' and 1-8'x8')	3.00	set
SPL2	MOBILIZATION/DEMOLITION	1.00	lot
800	CLEARING, GRUBBING AND LAYOUT	84.00	sq.m.
803	STRUCTURE EXCAVATION	6.95	cu.m.
1601	STRUCTURAL BACKFILL	2.99	cu.m.
1707	LEVELING COURSE	5.91	cu.m.
404	REINFORCING STEEL BAR	494.52	kg
414	FORMWORKS	11.52	sq.m.
405	CONCRETE WORKS CLASS A	1.93	cu.m.
405	CONCRETE WORKS CLASS B	4.64	cu.m.
1046	MASONRY WORKS	28.81	sq.m.
1027	CEMENT PLASTER FINISH	33.62	sq.m.
403	DOORS, WALLS, POST, BEAMS & OTHER ACCESSORIES	1.00	lot
1100, 1101 & 1102	ELECTRICAL WIRINGS, CONDUITS, PANEL BOARDS, CIRCUIT BREAKER AND OTHER ELECTRICAL FIXTURES	1.00	lot
403	TRUSSES, PURLINS, SAG RODS, CROSS BRACING WITH TURNBUCKLE AND OTHER ACCESSORIES	89.32	sq.m.
1013	METAL SHEETS AND OTHER BENDED ACCESSORIES	89.32	sq.m.
1	ROOST & NESTING BOX	1.00	lot

 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE WESTERN VISAYAS PAROLA, ILOILO CITY	PROJECT NAME & LOCATION:	SHEET CONTENTS:	PREPARED BY:	CHECKED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET NO.:
	ESTABLISHMENT OF POULTRY HOUSE REGION VI	-PERSPECTIVE -VICINITY MAP -SUMMARY OF QUANTITIES CAD BY: JM PEREGRINA	 SHAYNE C. VILLANUEVA, ABE <small>Engineer I (License No. 0008933)</small>	 YVONNE GRACE H. SUR, ABE <small>Engineer II (License No. 0005970) Head, Engineering Plans, Designs, and Specifications Section</small>	 MOSES D. MANA-AY, ABE, MEE <small>Engineer IV (License No. 0005077) OIC - Chief, RA-1</small>	 JOSE ALBERT A. BARROGO, ABE <small>Engineer V (License No. 0003768) OIC-RTD for Operations & Extension</small>	<div style="text-align: center;">A 1</div> <div style="text-align: center;">1 11</div>

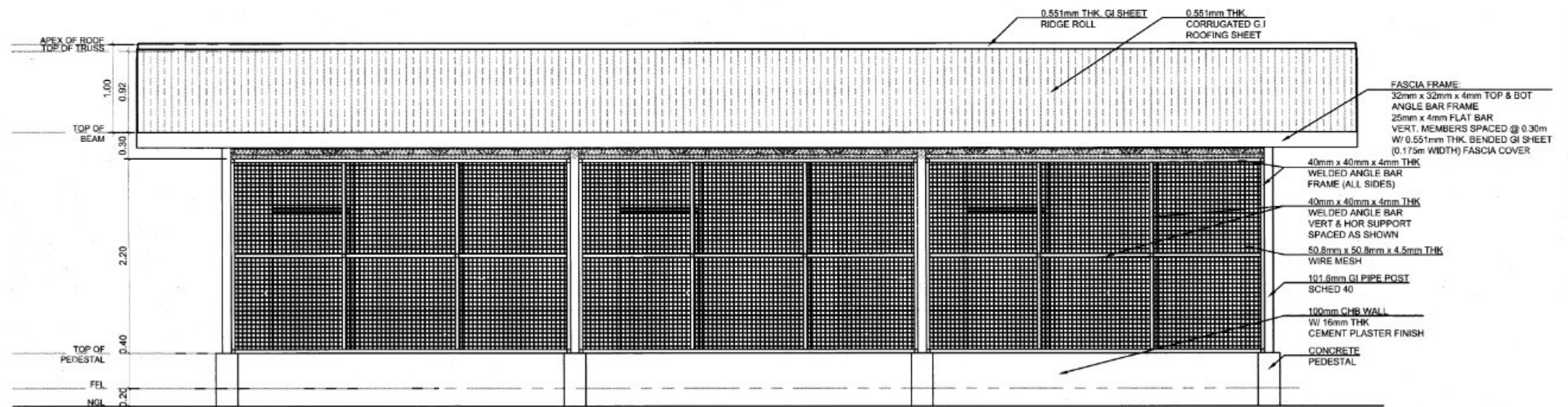


F L O O R P L A N
 SCALE: 1:50 M

	IMPLEMENTING AGENCY: REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE WESTERN VISAYAS PAROLA, ILOILO CITY	PROJECT NAME & LOCATION: ESTABLISHMENT OF POULTRY HOUSE REGION VI	SHEET CONTENTS: -FLOOR PLAN	PREPARED BY: <div style="text-align: center;"> SHAYNE C. VILLANUEVA, ABE <small>Engineer I (License No. 0008933)</small> </div>	CHECKED BY: <div style="text-align: center;"> YVONNE GRACE H. SUR, ABE <small>Engineer IV (License No. 0005970)</small> <small>Head, Engineering Plans, Designs, and Specifications Section</small> </div>	RECOMMENDING APPROVAL: <div style="text-align: center;"> MOISES D. MANAYAY, ABE, MEE <small>Engineer IV (License No. 0006077)</small> <small>DIC Chief, PABED</small> </div>	APPROVED BY: <div style="text-align: center;"> JOSE ALBERT A. BARROGO, ABE <small>Engineer V (License No. 0003768)</small> <small>DIC-RTD for Operations & Extension</small> </div>	SHEET NO.: <div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> A 2 </div> PAGE NO.: <div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> 2 11 </div>

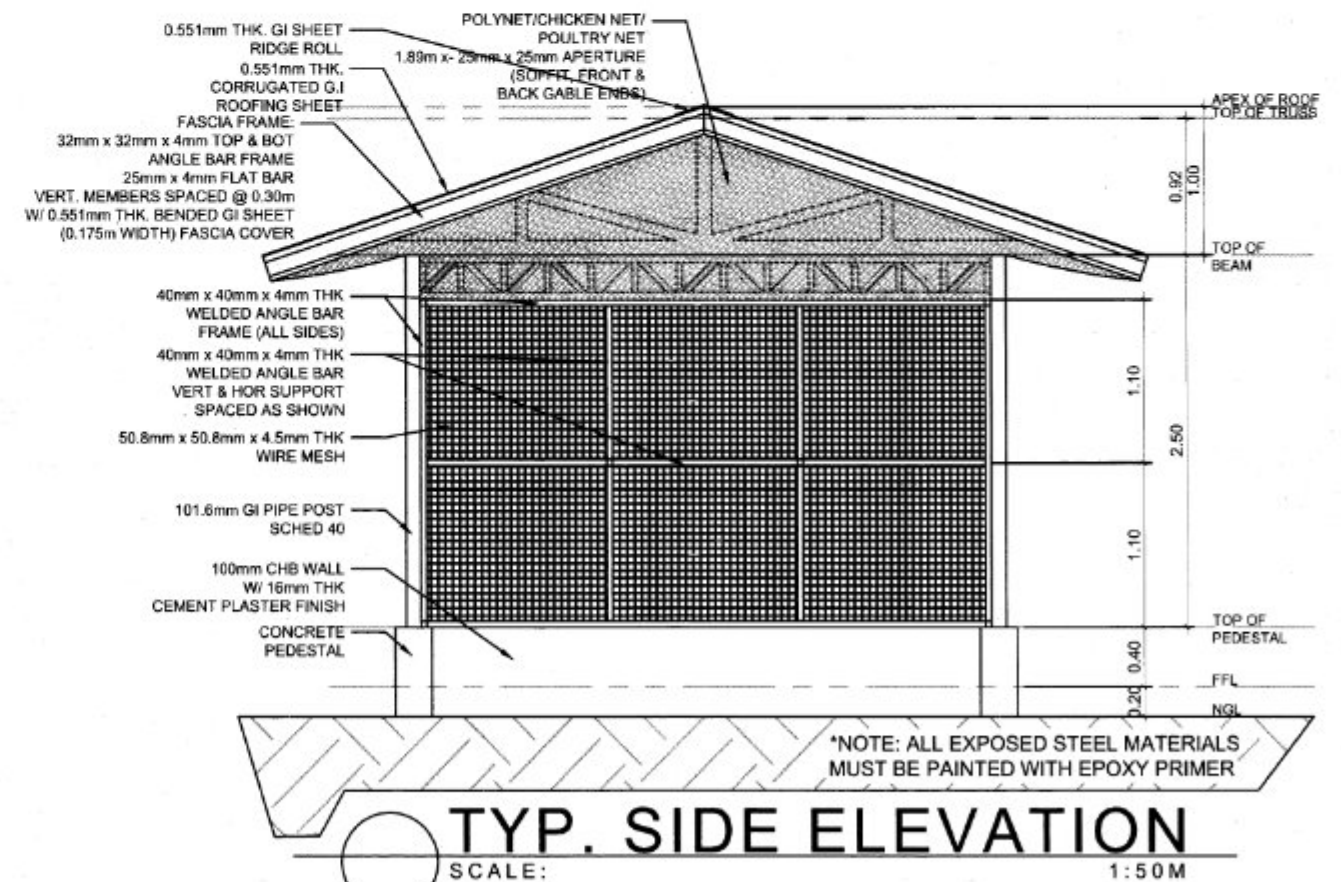
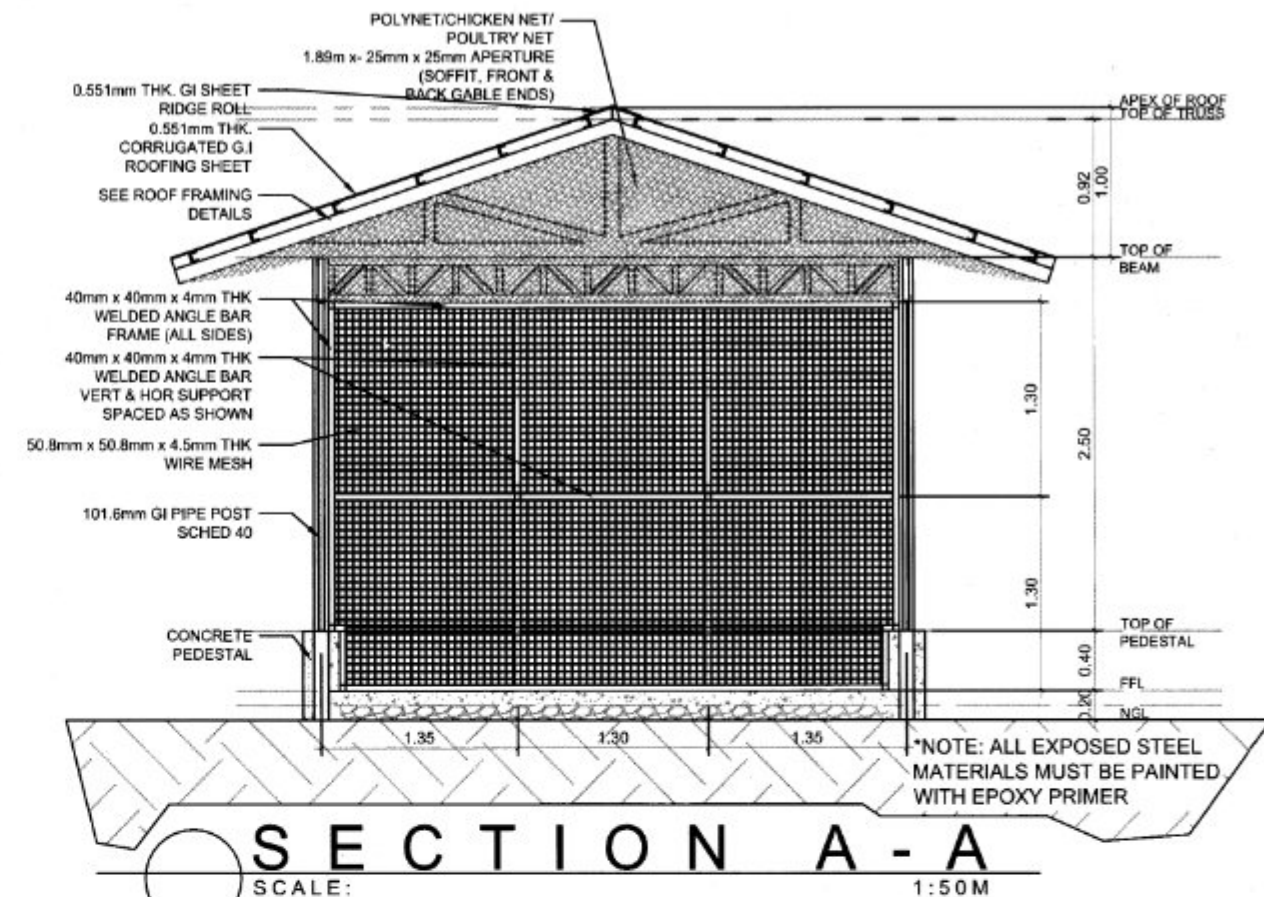
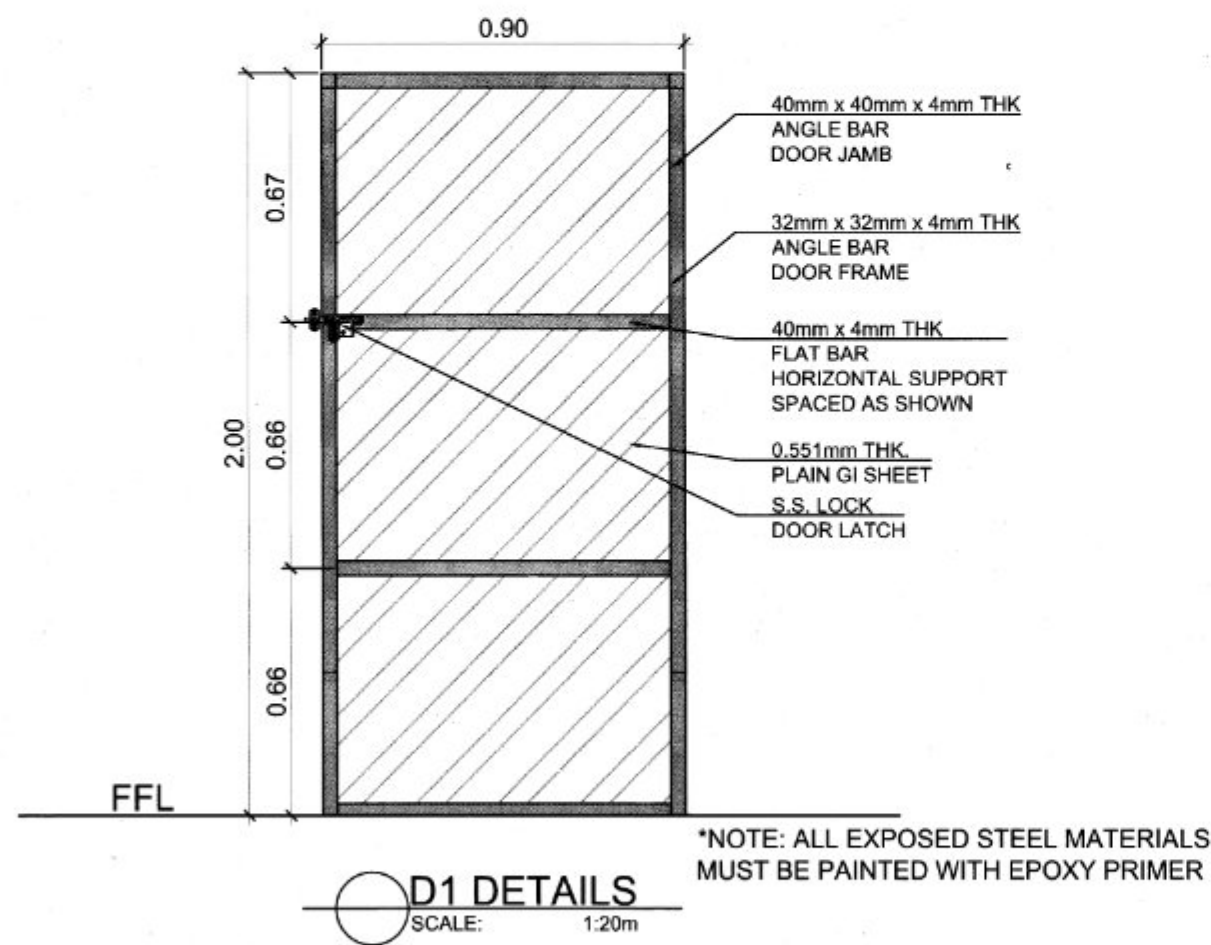


*NOTE: ALL EXPOSED STEEL MATERIALS MUST BE PAINTED WITH EPOXY PRIMER

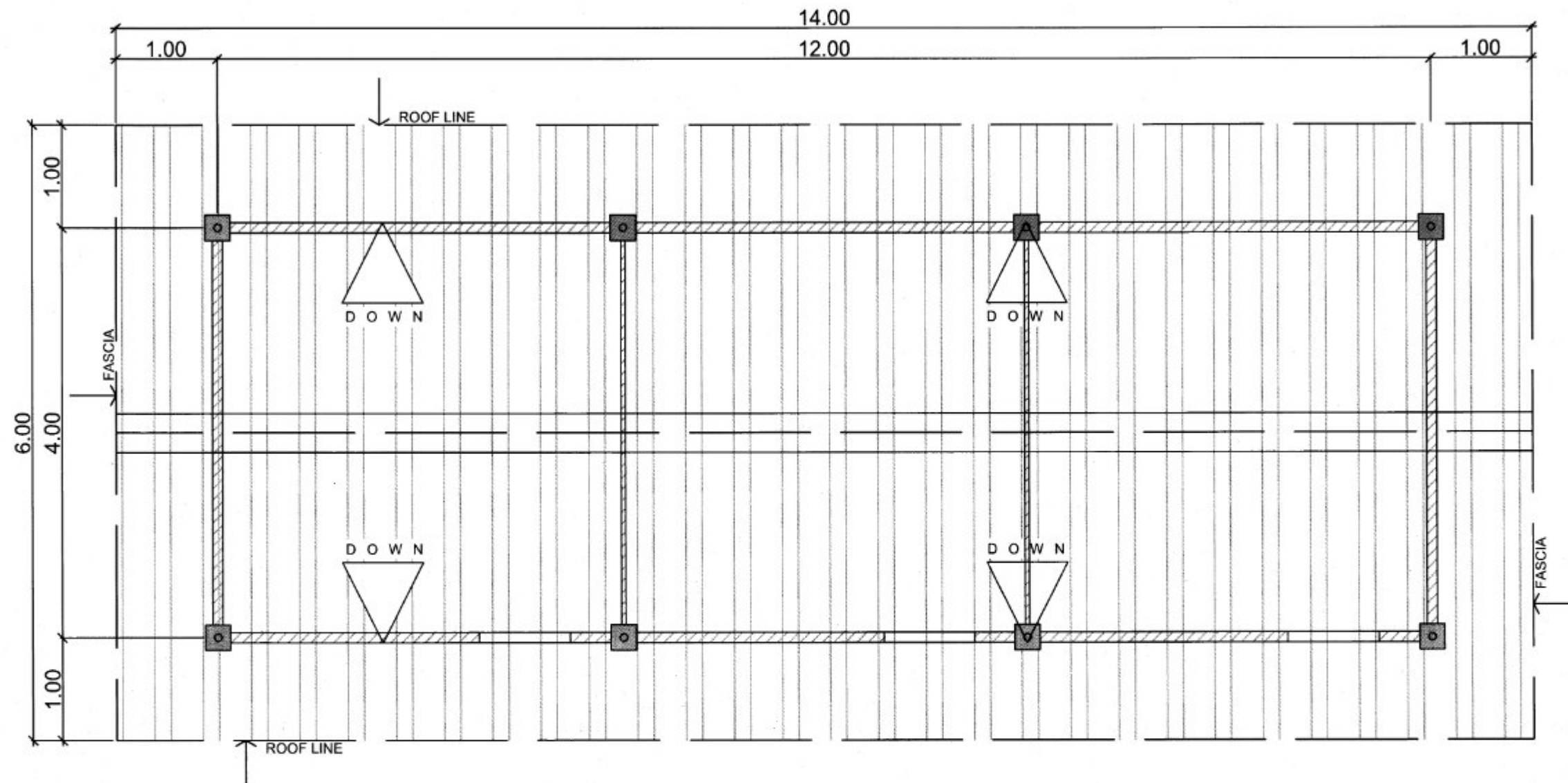


*NOTE: ALL EXPOSED STEEL MATERIALS MUST BE PAINTED WITH EPOXY PRIMER






IMPLEMENTING AGENCY: REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE WESTERN VISAYAS PAROLA, ILOILO CITY	PROJECT NAME & LOCATION: ESTABLISHMENT OF POULTRY HOUSE REGION VI	SHEET CONTENTS: -FRONT ELEVATION -REAR ELEVATION CAD BY: JM PEREGRINA	PREPARED BY: SHAIANE C. VILLANUEVA, ABE Engineer I (License No. 0008933)	CHECKED BY: YVONNE GRACE N. SUR, ABE Engineer IV (License No. 0005570) Head, Engineering Plans, Designs, and Specifications Section	RECOMMENDING APPROVAL: MOISES D. MANA-AY, ABE, MEE Engineer IV (License No. 0006077) OIC-Chief, R&D	APPROVED BY: JOSE ALBERT A. BARROGO, ABE Engineer IV (License No. 0003768) OIC-RTD for Operations & Extension	SHEET NO.: A 3 PAGE NO.: 3 11
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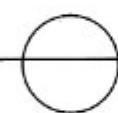
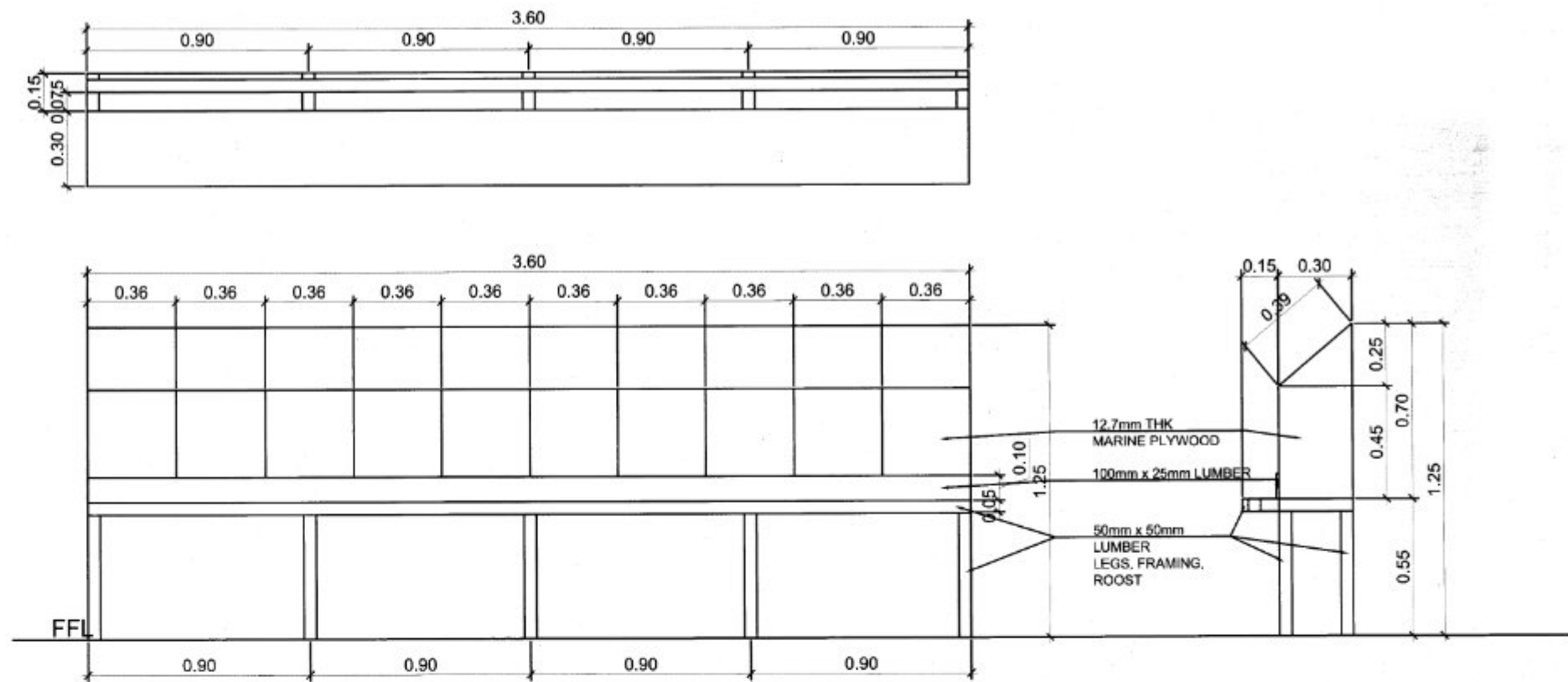


<p>IMPLEMENTING AGENCY:</p> <p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE</p> <p>WESTERN VISAYAS PAROLA, ILOILO CITY</p>	<p>PROJECT NAME & LOCATION:</p> <p>ESTABLISHMENT OF POULTRY HOUSE</p> <p>REGION VI</p>	<p>SHEET CONTENTS:</p> <p>-TYP. SIDE ELEVATION -SECTION A-A -D1 DETAILS</p> <p>CAD BY: JM PEREGRINA</p>	<p>PREPARED BY:</p> <p><i>Shayne C. Villanueva</i> SHAYNE C. VILLANUEVA, ABE Engineer I (License No. 0008933)</p>	<p>CHECKED BY:</p> <p><i>Yvonne Grace H. Sur</i> YVONNE GRACE H. SUR, ABE Engineer III (License No. 0005970) Head, Engineering Plans, Designs, and Specifications Section</p>	<p>RECOMMENDING APPROVAL:</p> <p><i>Moises D. Manay</i> MOISES D. MANAY, ABE, MEE Engineer IV (License No. 0006077) OIC-Chief, AED</p>	<p>APPROVED BY:</p> <p><i>Jose Albert A. Barrogo</i> JOSE ALBERT A. BARROGO, ABE Engineer V (License No. 0003768) OIC-Head for Operations & Extension</p>	<p>SHEET NO.:</p> <p>A 4</p> <p>PAGE NO.:</p> <p>4 11</p>
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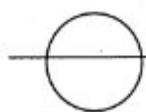
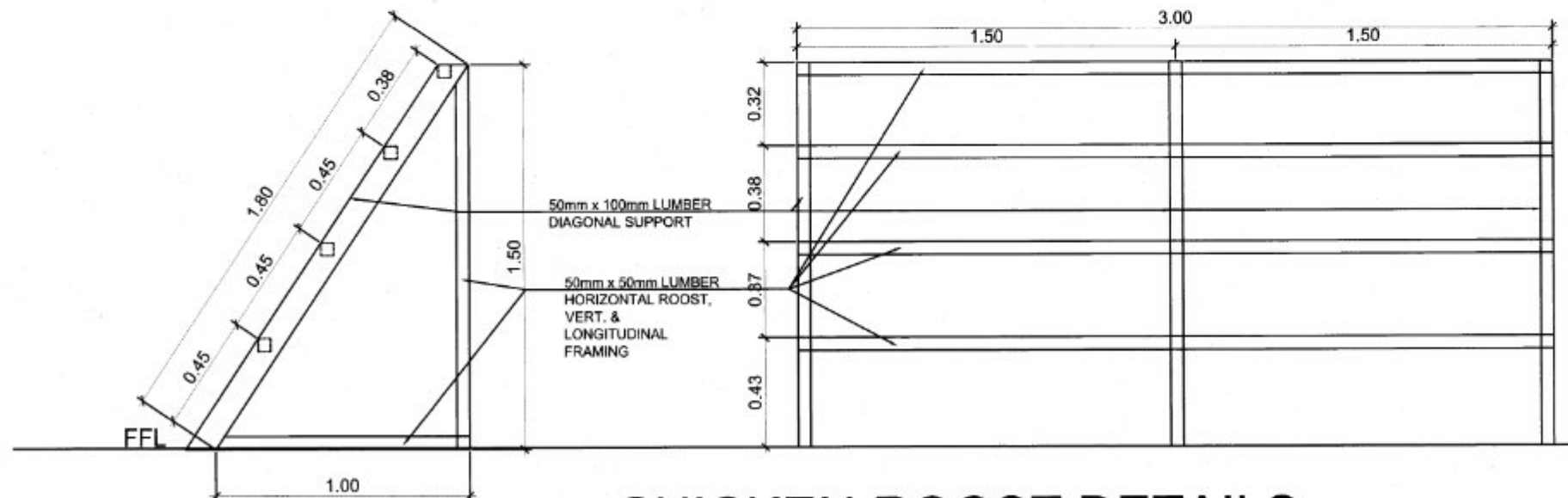
 REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE WESTERN VISAYAS PAROLA, ILOILO CITY	PROJECT NAME & LOCATION:	SHEET CONTENTS:	PREPARED BY:	CHECKED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	SHEET NO.:
	ESTABLISHMENT OF POULTRY HOUSE REGION VI	-ROOF PLAN	 SHAYNE C. VILLANUEVA, ABE Engineer I (License No. 0008933)	 YVONNE GRACE H. BUI, ABE Engineer III (License No. 0005970) Head, Engineering Plans, Designs, and Specifications Section	 MOISES D. MANAY, ABE, MEE Engineer IV (License No. 0005077) OIC-Chief, PAED	 JOSE ALBERT A. BARROGO, ABE Engineer V (License No. 0003768) OIC-RD for Operations & Extension	A 5 PAGE NO.: 5 11



CHICKEN NESTING BOX DETAILS

SCALE:

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CHICKEN ROOST DETAILS

SCALE:

1:25M

IMPLEMENTING AGENCY:



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
WESTERN VISAYAS
PAROLA, ILOILO CITY

PROJECT NAME & LOCATION:

ESTABLISHMENT OF
POULTRY HOUSE
REGION VI

SHEET CONTENTS:

-CHICKEN NESTING BOX DETAILS
-CHICKEN ROOST DETAILS

CAD BY:
NU BUHAT

PREPARED BY:

Shayne C. Villanueva
SHAYNE C. VILLANUEVA, ABE
Engineer I (License No. 0008933)

CHECKED BY:

Yvonne Grace H. Sur
YVONNE GRACE H. SUR, ABE
Engineer III (License No. 0005920)
Head, Engineering Plans, Designs, and
Specifications Section

RECOMMENDING APPROVAL:

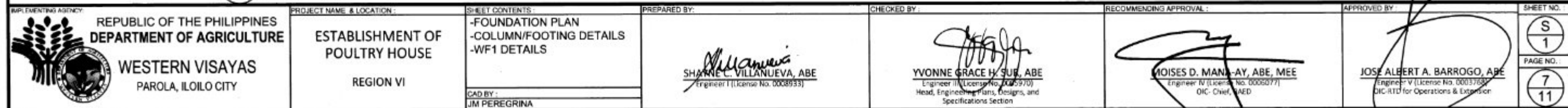
MOISES D. MANA-AY, ABE, MEE
Engineer IV (License No. 0006077)
OIC-Chief, RAED

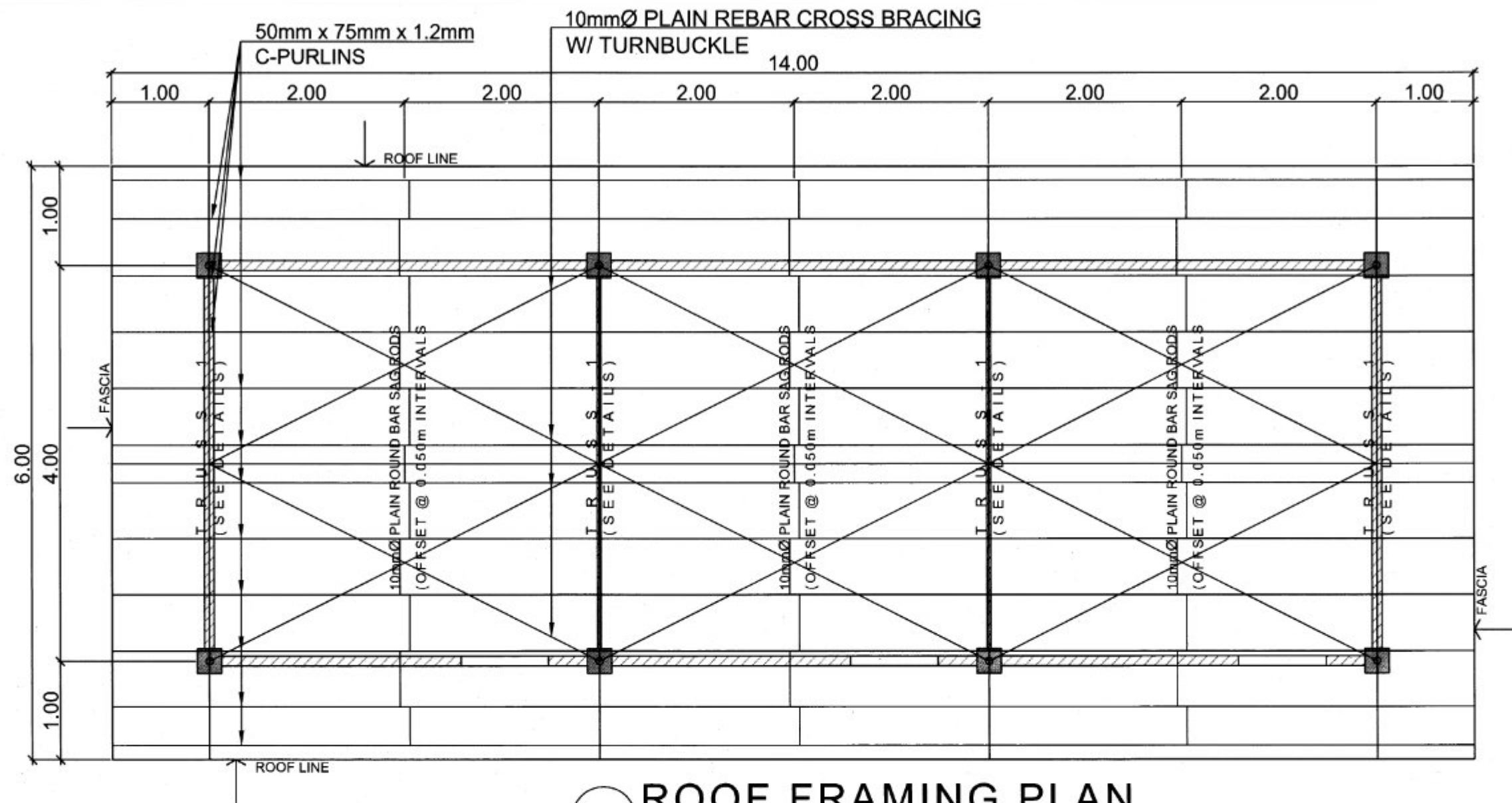
APPROVED BY:

Jose Albert A. Barrogo
JOSE ALBERT A. BARROGO, ABE
Engineer V (License No. 0003768)
OIC-RTD for Operations & Extension

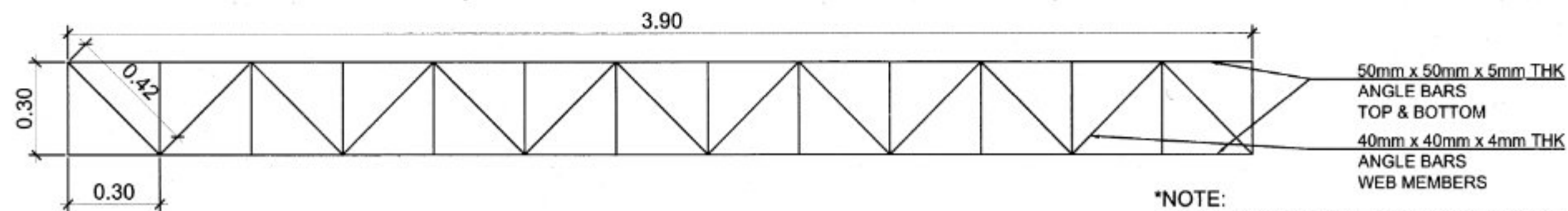
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ROOF FRAMING PLAN
SCALE: 1:50M



METAL BEAM DETAILS
SCALE: 1:20M

***NOTE:**
-METAL STEEL CONNECTIONS MUST BE FULL WELD
-ALL EXPOSED STEEL MATERIALS MUST BE PAINTED WITH EPOXY PRIMER



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WESTERN VISAYAS
PAROLA, ILOILO CITY

PROJECT NAME & LOCATION:

ESTABLISHMENT OF
POULTRY HOUSE
REGION VI

SHEET CONTENTS:

-ROOF FRAMING PLAN
-METAL BEAM DETAILS

CAD BY:
JIM PEREGRINA

PREPARED BY:

Shayne C. Villanueva
SHAYNE C. VILLANUEVA, ABE
Engineer I (License No. 0008933)

CHECKED BY:

Yvonne Grace H. Sor
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Head, Engineering Plans, Designs, and
Specifications Section

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Moises D. Manay
MOISES D. MANAY, ABE, MEE
Engineer IV (License No. 0006077)
OIC - Chief, R&D

APPROVED BY:

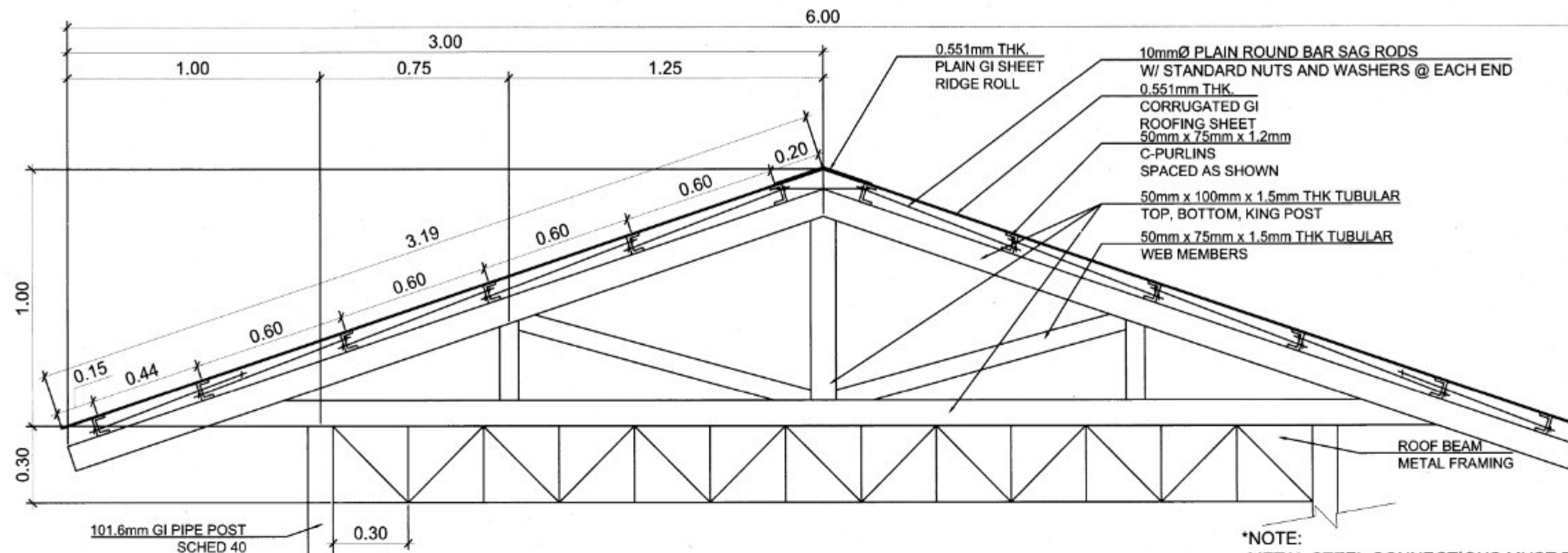
Jose Albert A. Barrogo
JOSE ALBERT A. BARROGO, ABE
Engineer V (License No. 0003788)
OIC-RTD for Operations & Extension

SHEET NO.:

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PAGE NO.:

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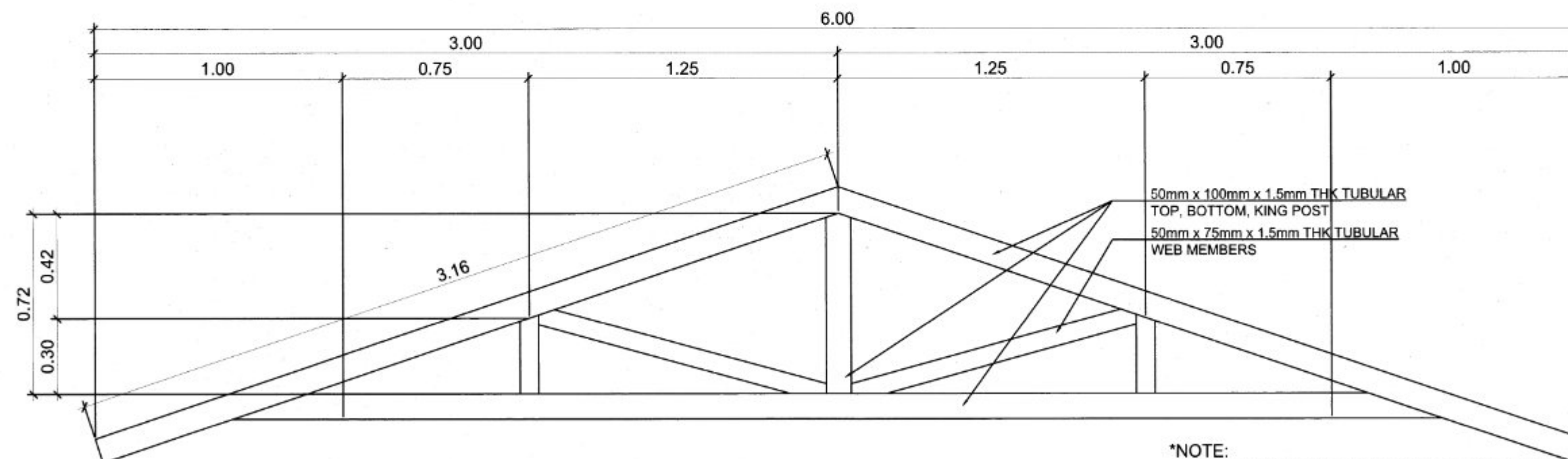


ROOF FRAMING DETAILS

SCALE:

1:20 M

*NOTE:
-METAL STEEL CONNECTIONS MUST BE FULL WELD
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TRUSS DETAILS

SCALE:

1:20 M

*NOTE:
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-ALL EXPOSED STEEL MATERIALS MUST BE PAINTED WITH EPOXY PRIMER



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
WESTERN VISAYAS
PAROLA, ILOILO CITY

PROJECT NAME & LOCATION

ESTABLISHMENT OF
POULTRY HOUSE
REGION VI

SHEET CONTENTS

-ROOF FRAMING DETAILS
-TRUSS DETAILS

PREPARED BY:

SHAYNE C. VILLANUEVA, ABE
Engineer I (License No. 0008933)

CHECKED BY:

YVONNE GRACE H. SUB, ABE
Engineer IV (License No. 0006077)
Head, Engineering Plans, Designs, and
Specifications Section

RECOMMENDING APPROVAL:

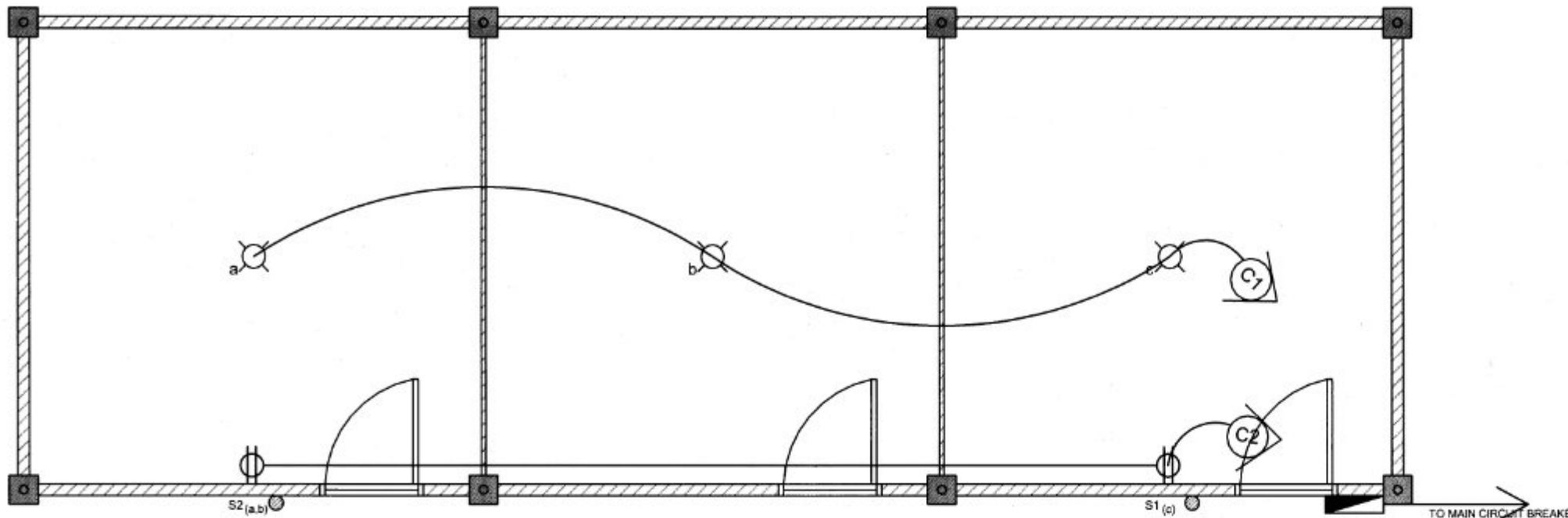
MOISES D. MANAY, ABE, MEE
Engineer IV (License No. 0006077)
OIC - Chief, R&ED

APPROVED BY:

JOSE ALBERT A. BARROGO, ABE
Engineer V (License No. 0005758)
OIC - RTO for Operations & Extension

SHEET NO.:

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PAGE NO.
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SPECIFICATIONS:

1. ALL ELECTRICAL WORKS HEREIN SHALL BE DONE IN ACCORDANCE WITH LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (PEC) WITH THE RULES AND REGULATIONS OF THE NATIONAL BUILDING CODE AND LOCAL AUTHORITIES CONCERNED.
2. THE TYPE OF ELECTRICAL INSTALLATION HEREIN SHALL BE SINGLE PHASE, 220V, 60Hz.
3. SIZE OF SERVICE ENTRANCE CONDUCTORS FOR LPP SHALL BE _____ THW WIRE IN _____ RSC PIPE.
4. SIZE OF MAIN SERVICE EQUIPMENT FOR LPP SHALL BE _____, 1P CIRCUIT BREAKER.
5. WIRING INSTALLATION SHALL BE DONE IN uPVC CONDUIT FOR LIGHTINGS AND SYSTEMS THAT ARE EMBEDDED IN CONCRETE WALLS.
6. ALL ELECTRICAL WORKS HEREIN SHALL BE DONE BY LICENSED ELECTRICAL PRACTITIONER OR NON-LICENSED ELECTRICAL PRACTITIONER UNDER THE SUPERVISION OF A LICENSED ELECTRICAL PRACTITIONER.
7. USE uPVC FLEXIBLE PIPE WITH 25.4mmØ FOR EXPOSED WIRES.

ELECTRICAL LAYOUT

SCALE:

1:50 M

SCHEDULE OF LOADS FOR LPP

NO.	LOAD DESCRIPTION	VOLTAGE (V)	POWER (VA)	CURRENT (AMP)	CIRCUIT PROTECTION	SIZE OF WIRE AND CONDUIT
C1	3- LIGHTING OUTLETS	230	30	0.13	15AT, 1P	3.5mm ² THHN WIRE IN 25.4mmØ uPVC PIPE
C2	2 -CONVENIENCE OUTLETS	230	360	1.57	15AT, 1P	3.5mm ² THHN WIRE IN 25.4mmØ uPVC PIPE
TOTAL CONNECTED LOAD			390	1.70		

DESIGN ANALYSIS

CIRCUIT 1

LOAD: 3-10W (MAX.)

$$I = 10W(3) / (230) = 0.13A$$

USE: 15 AT, 1P, 240V CIRCUIT BREAKER

3.5mm² THHN COPPER WIRE
IN 25.4mmØ uPVC PIPE

CIRCUIT 2

LOAD: 2-180W (MAX.)

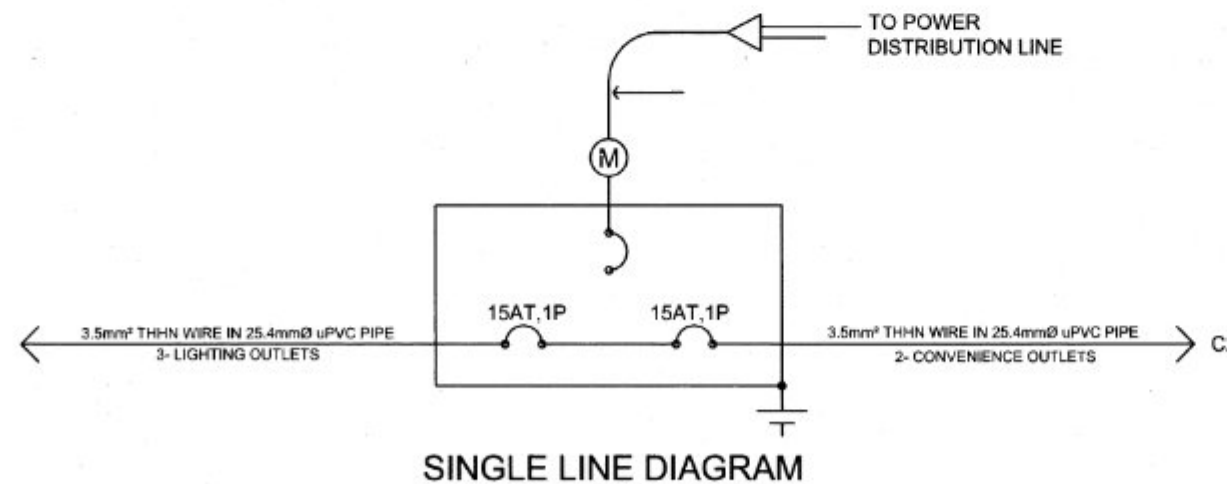
$$I = 180W(2) / (230) = 1.57A$$

USE: 15 AT, 1P, 240V CIRCUIT BREAKER

3.5mm² THHN COPPER WIRE
IN 25.4mmØ uPVC PIPE

LEGEND:

- CEILING LIGHT
- 2-GANG CONV. OUTLET
- CIRCUIT HOMERUN
- LPP PANEL BOARD
- S1 ONE-GANG SWITCH
- S2 TWO-GANG SWITCH
- GROUNDING



IMPLEMENTING AGENCY: 	PROJECT NAME & LOCATION: ESTABLISHMENT OF POULTRY HOUSE REGION VI	SHEET CONTENTS: -ELECTRICAL LAYOUT -DESIGN ANALYSIS -SINGLE LINE DIAGRAM -ELECTRICAL SPECS -LEGEND CAD BY: JM PEREGRINA	PREPARED BY: SHAYNE C. VILLANUEVA, ABE Engineer I (License No. 0008933)	CHECKED BY: YVONNE GRACE H. SUR, ABE Engineer III (License No. 0005920) Head, Engineering Plans, Designs, and Specifications Section	RECOMMENDING APPROVAL: MOISES D. MANAY, ABE, MEE Engineer IV (License No. 0005077) OIC - Chief, NAED	APPROVED BY: JOSE ALBERT A. BARROGO, ABE Engineer V (License No. 0003758) OIC-RTD for Operations & Extension	SHEET NO.: E 1 PAGE NO.: 10 11
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ESTABLISHMENT OF MULTI-PURPOSE SOLAR DRYER (LOCATION)

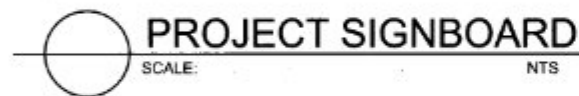
CONTRACTOR :
DATE STARTED :
CONTRACT COMPLETION DATE :
CONTRACT COST : Php
IMPLEMENTING OFFICE : DEPARTMENT OF AGRICULTURE FIELD OFFICE VI
SOURCE OF FUND : BALIK PROBINSYA BAGONG PAG-ASA PROGRAM (2022)



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
WESTERN VISAYAS
ILOILO CITY

- THE BILLBOARD DESIGN LAYOUT AND DIMENSION SHALL BE ON A STANDARD BILLBOARD MEASURING 1200 mm x 2400 mm (4FT x 8FT.) USING 12 mm ($\frac{1}{2}$ INCH) THICK MARINE PLYWOOD OR TARPAULIN POSTED ON 5 mm ($\frac{3}{16}$ INCH) MARINE PLYWOOD.

- THE BILLBOARD SHALL BE INSTALLED IN FRONT OF THE PROJECT SITE.



REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF AGRICULTURE
WESTERN VISAYAS
PAROLA, ILOILO CITY

PROJECT PROFILE

NAME OF PROJECT : ESTABLISHMENT OF POULTRY HOUSE
LOCATION :
FUNDING SOURCE : BALIK PROBINSYA BAGONG PAG-ASA PROGRAM (2022)
PROJECT COST (P) :

$\frac{3}{4}$ " THK GRANITE
W/ LASER ENGRAVED LETTERING

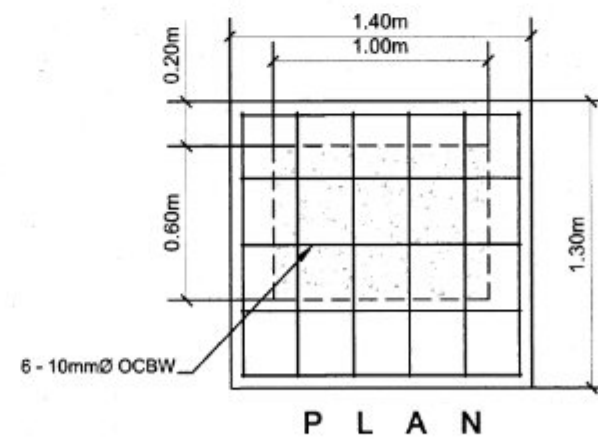
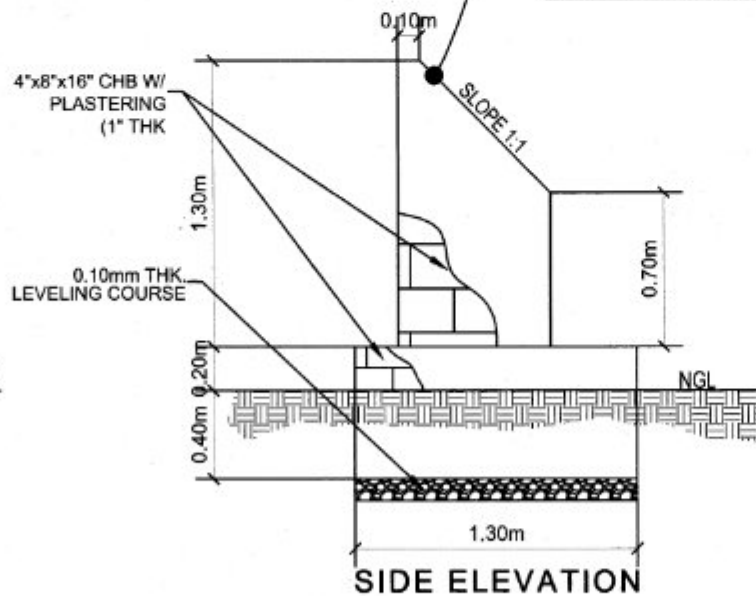
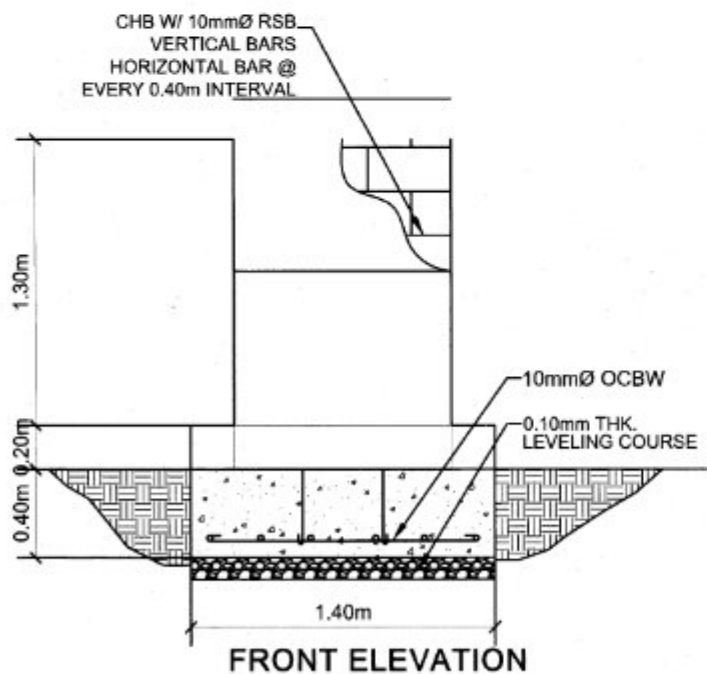
PROJECT : ESTABLISHMENT OF POULTRY HOUSE
LOCATION :
IMPLEMENTING AGENCY : DEPARTMENT OF AGRICULTURE FIELD OFFICE VI
DEVELOPMENT PARTNER/S :
CONTRACTOR SUPPLIER :
BRIEF DESCRIPTION OF PROJECT :
FUND SOURCE/S : BALIK PROBINSYA BAGONG PAG-ASA PROGRAM (2022)

PROJECT DATE			PROJECT STATUS				REMARKS
DURATION	STARTED	TARGET DATE OF COMPLETION	PERCENTAGE OF COMPLETION	AS OF (DATE)	COST INCURRED TO DATE	DATE COMPLETED	

FOR PARTICULARS OR COMPLAINTS ABOUT THIS PROJECT, PLEASE CONTACT THE REGIONAL OFFICE OR CLUSTER WHICH HAS AUDIT JURISDICTION ON THIS PROJECT:

COA REGIONAL OFFICE NO./CLUSTER :
ADDRESS :
CONTACT NO. : OR TEXT COA CITIZEN'S DESK AT 0915-5391957

TARPAULIN, WHITE, 8 FT x 8 FT
RESOLUTION: 70 DPI
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SUB INFORMATION - 1"
FONT COLOR: BLACK



IMPLEMENTING AGENCY: REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE WESTERN VISAYAS PAROLA, ILOILO CITY	PROJECT NAME & LOCATION: ESTABLISHMENT OF POULTRY HOUSE REGION VI	SHEET CONTENTS: -PROJECT MARKER -PROJECT SIGNBOARD -COA BILLBOARD CAD BY: JM PEREGRINA	PREPARED BY: SHAYNE C. VILLANUEVA, ABE Engineer I (License No. 0008933)	CHECKED BY: YVONNE GRACE H. SUR, ABE Engineer II (License No. 0005970) Head, Engineering Plans, Designs, and Specifications Section	RECOMMENDING APPROVAL: MOISES D. MANAY, ABE, MEE Engineer IV (License No. 0006077) OIC - Chief, R&ED	APPROVED BY: JOSE ALBERT A. BARROGO, ABE Engineer V (License No. 0003765) OIC-RTD for Operations & Extension	SHEET NO.: PAGE NO.: 11 11
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