



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

**DETAILED ENGINEERING DESIGN PLANS**  
**IMPROVEMENT OF GOAT HOUSE**  
DA-NOROS HIMAMAYLAN, SITIO BINGIG,  
BARANGAY 3, HIMAMAYLAN CITY, NEGROS OCCIDENTAL  
(LIVESTOCK PROGRAM 2023)

Prepared by:

**DAVE BERNARD D. DILI, ABE**  
Technical Staff (License No. 0009221)

Reviewed by:

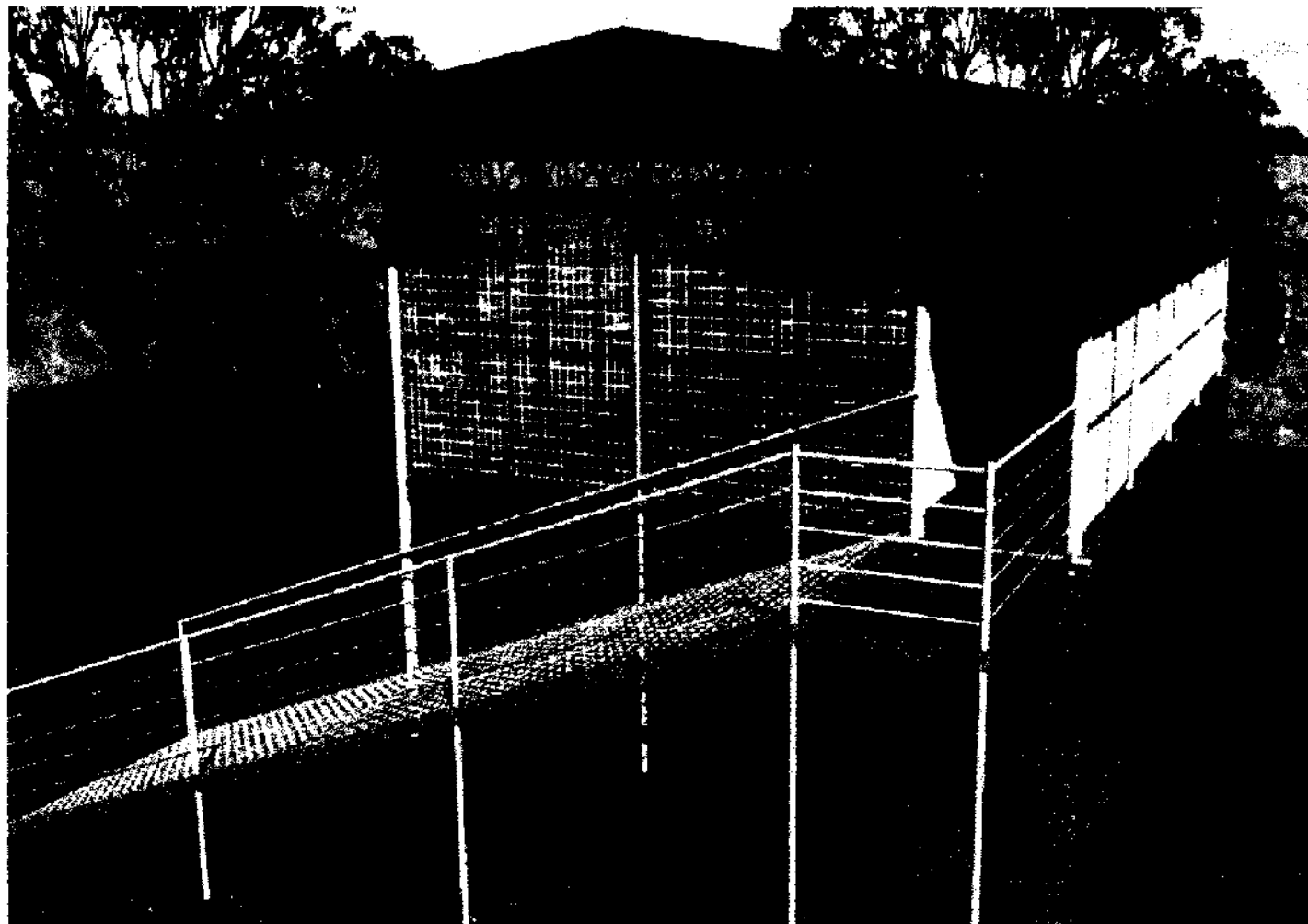
**YVONNE GRACE H. SUR, ABE**  
Engineer III (License No. 0005970)  
Head, EPDSS

Recommending Approval:

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

Approved by:

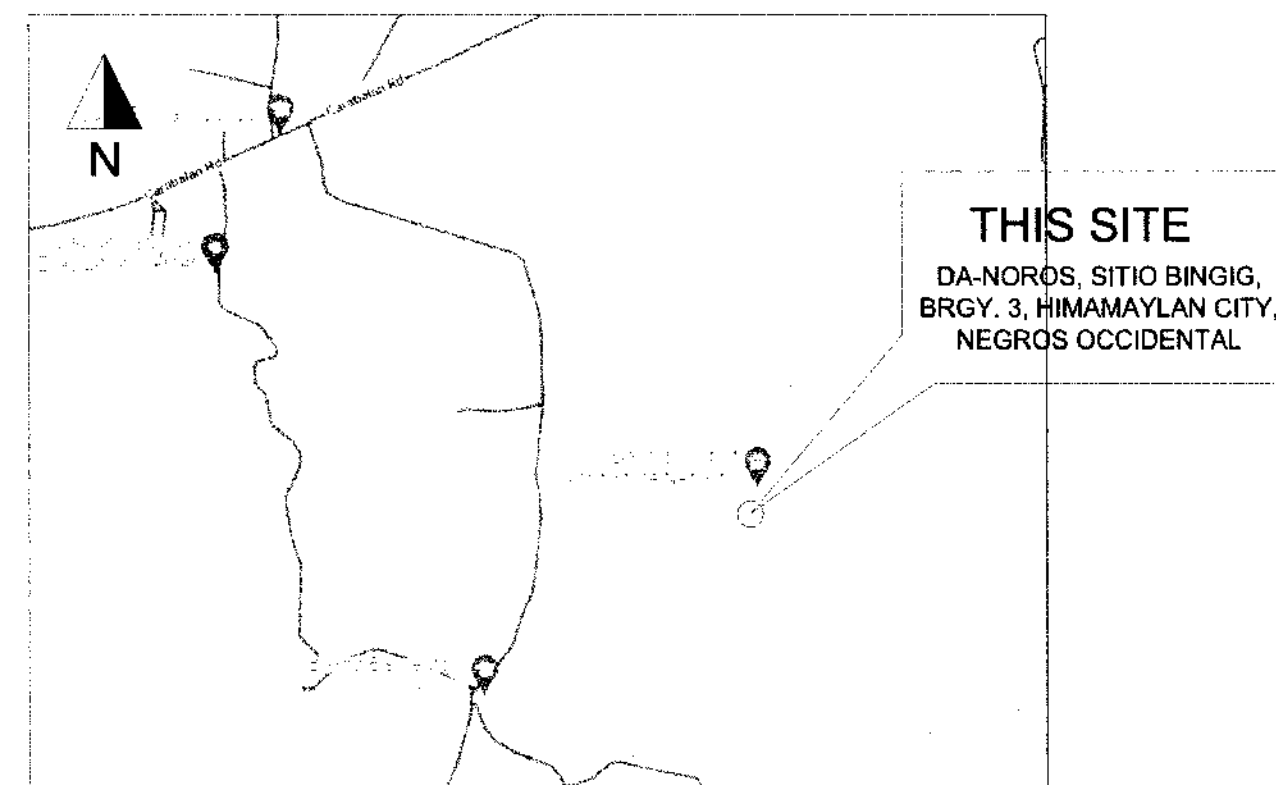
**DOMINADOR A. MARQUEZ, MPA**  
OIC-RTD for Operations & Extension





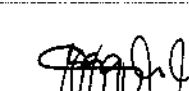


1 PERSPECTIVE VIEW  
A-1 SCALE: NTS

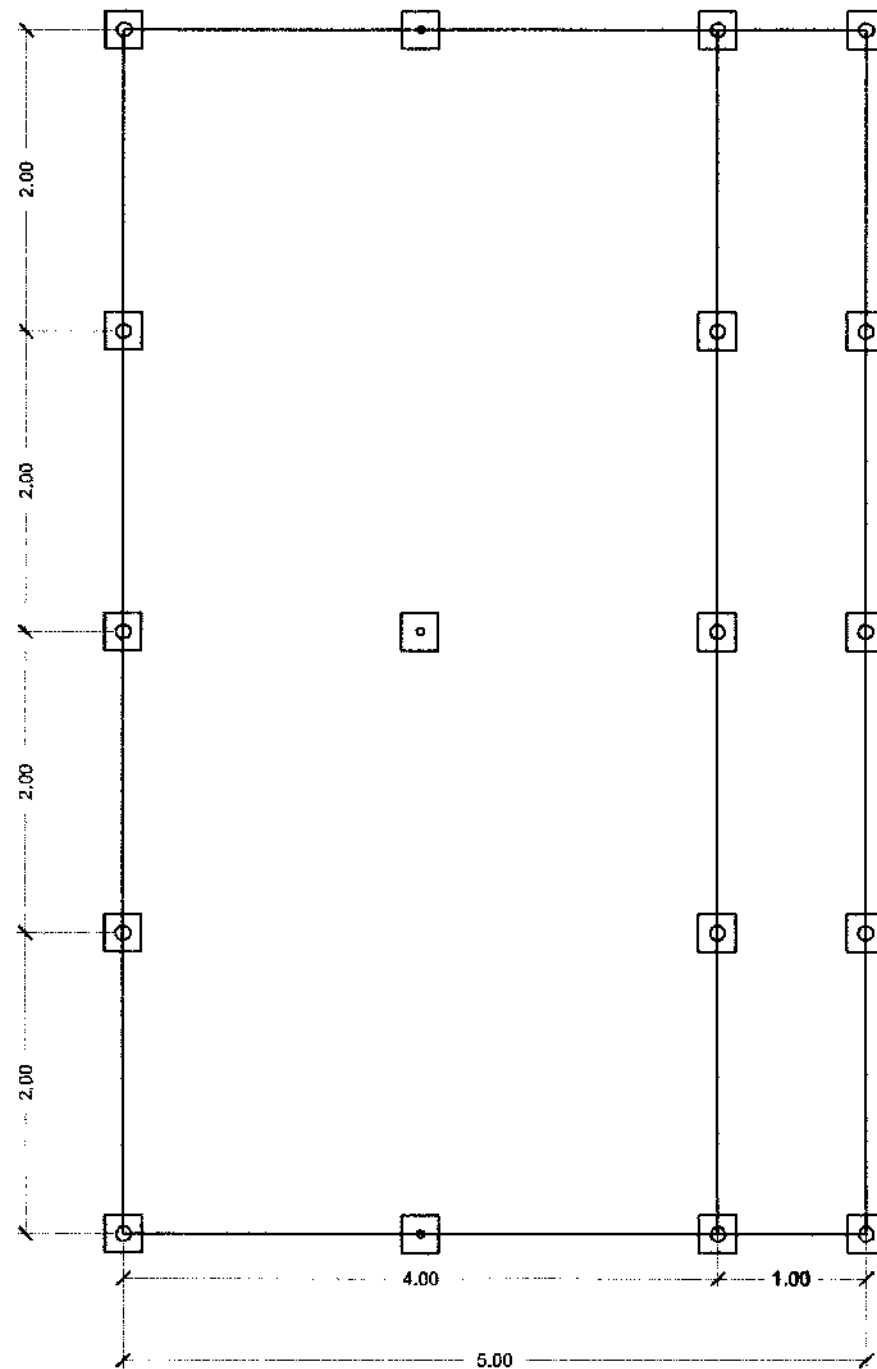
Item No.	Scope of Work	Qty	Unit
<b>I. OTHER GENERAL REQUIREMENTS</b>			
8.3	MOBILIZATION/DEMobilIZATION	1.00	lot
8.5	PROJECT SIGNBOARD, CDA BILLBOARD	1.00	lot
<b>II. EARTHWORKS</b>			
803	STRUCTURE EXCAVATION	13.82	cu.m
804	STRUCTURAL BACKFILL	10.91	cu.m
107	LEVELING COURSE	5.45	cu.m
<b>III. REINFORCED CONCRETE WORKS</b>			
303.1a	REINFORCING STEEL BAR (DEFORMED)	1225.07	kg
414	FORMWORKS	70.75	sq.m
300.1.12	STRUCTURAL CONCRETE, CLASS A (Footings and Slab)	7.70	cu.m
300.1.1	STRUCTURAL CONCRETE, CLASS A (Columns & Beams)	3.81	cu.m
<b>IV. ROOFING</b>			
1047	STRUCTURAL STEEL ROOF FRAMING (TRUSS)	247.75	kg
1047.21c	STRUCTURAL STEEL PURLINS	257.26	kg
1013 (1)	CORRUGATED METAL ROOFING	21.05	sq.m
1013 (2)	FABRICATED METAL ROOFING ACCESSORIES (RIDGE ROLL)	10.00	1.m
<b>V. METAL STRUCTURES</b>			
1047	METAL STRUCTURES (POST AND BEAMS)	2652.89	kg
1047	METAL STRUCTURES (WALL FRAMING)	423.48	kg
1047	METAL STRUCTURES (WALLS)	53.50	sq.m
1047	METAL STRUCTURES (RAMPS FEEDING THROUGH)	1.00	lot
<b>VI. CARPENTRY AND JOINERY WORKS</b>			
100318	CARPENTRY AND JOINERY WORKS (WOOD FLOORING)	492.00	bd.ft
<b>VII. STEEL DOORS AND FRAMES</b>			
1006 (5)	STEEL DOORS AND FRAMES	1.00	lot
<b>VIII. PAINTINGS</b>			
1032	PAINTINGS	190.27	sq.m

2 SUMMARY OF QUANTITY  
A-1 SCALE: NTS

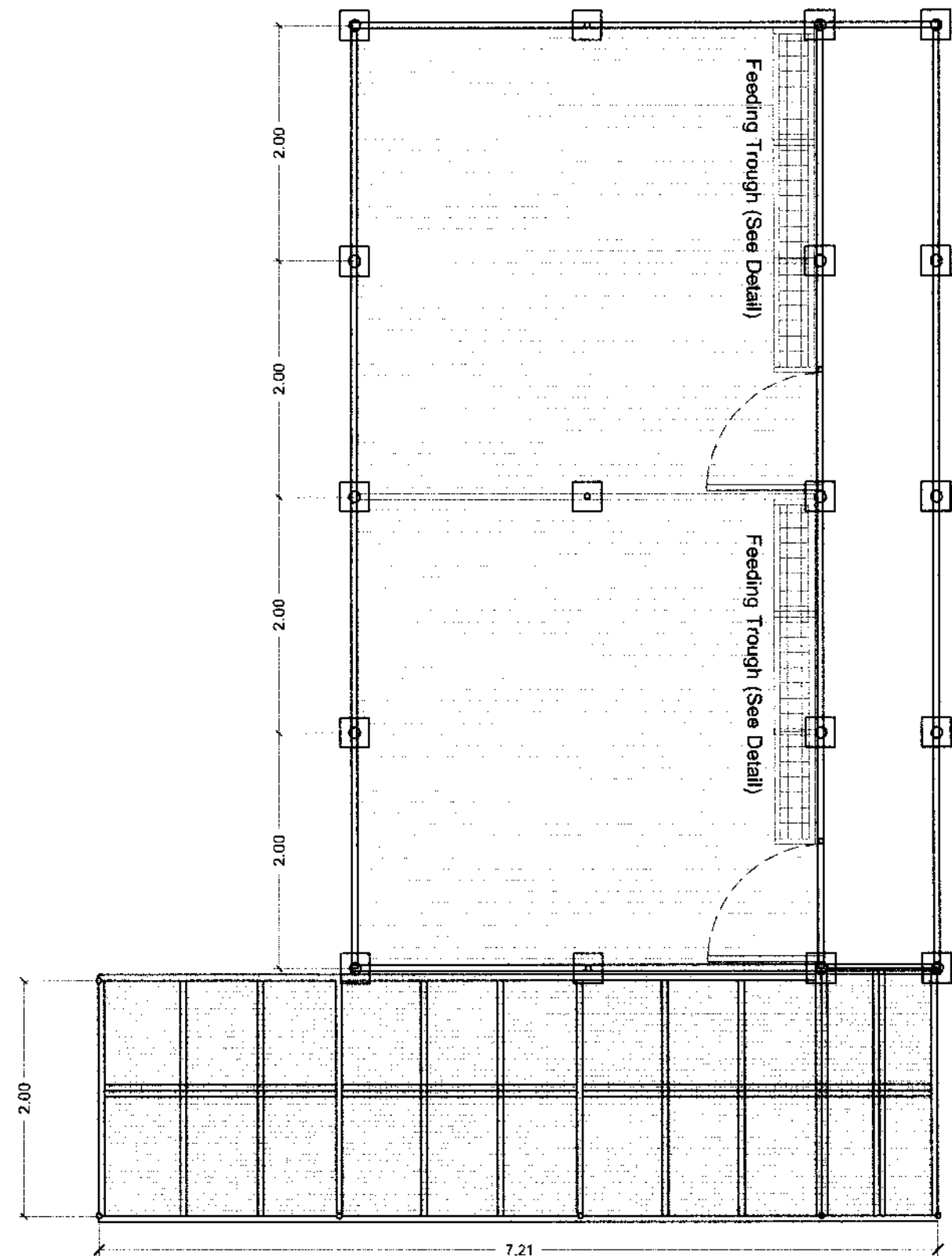


3 VICINITY MAP  
A-1 SCALE: NTS

IMPLEMENTING AGENCY:  <b>REPUBLIC OF THE PHILIPPINES</b> <b>DEPARTMENT OF AGRICULTURE</b> <b>WESTERN VISAYAS</b> PAROLA, ILOILO CITY	PROJECT NAME & LOCATION: <b>IMPROVEMENT OF GOAT HOUSE</b> DA-NOROS HIMAMAYLAN, SITIO BINGIG, BARANGAY 3, HIMAMAYLAN CITY, NEGROS OCCIDENTAL	SHEET CONTENTS: -PERSPECTIVE VIEW -SUMMARY OF QUANTITIES -VICINITY MAP CAD BY: DB, DILI	PREPARED:  <b>DAVE BERNARD D. DILI, ABE</b> Technical Staff (License No. 00092231)	REVIEWED/SUBMITTED:  <b>YVONNE GRACE H. SUR, ABE</b> Engineer III (License No. 005970) Head, Engineering Plans, Designs, and Specifications Section	RECOMMENDED:  <b>MOSES D. MANA-AY, ABE, MEE</b> Engineer IV (License No. 0006077) OIC-Chief, RAED	APPROVED BY:  <b>DOMINADOR A. MARQUEZ, MPA</b> OIC-RAED for Operation and Extension	SHEET NO.: <b>A</b> <b>1</b> PAGE NO.: <b>1</b> <b>10</b>
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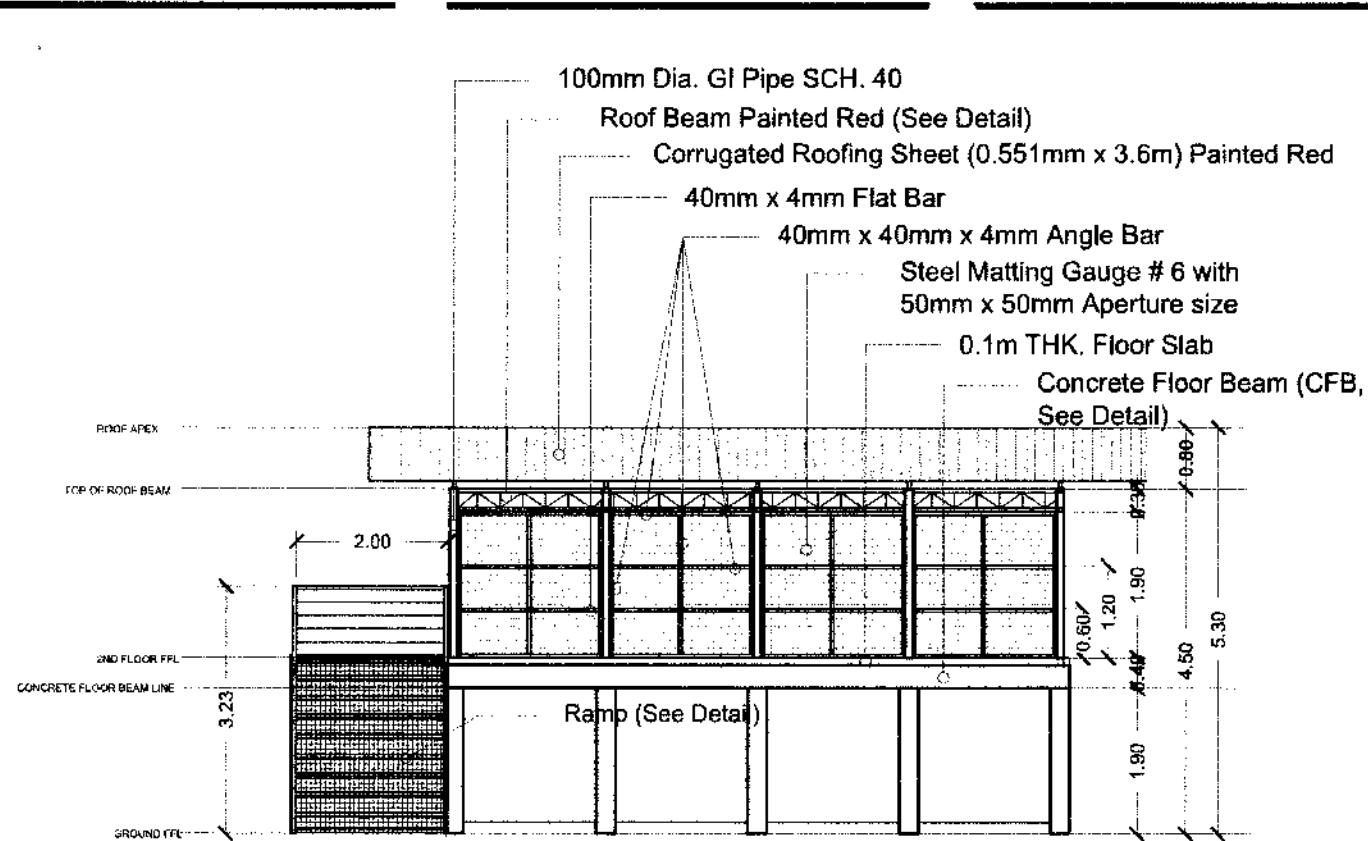


1 GROUND FLOOR PLAN  
A-2 SCALE: 1:50

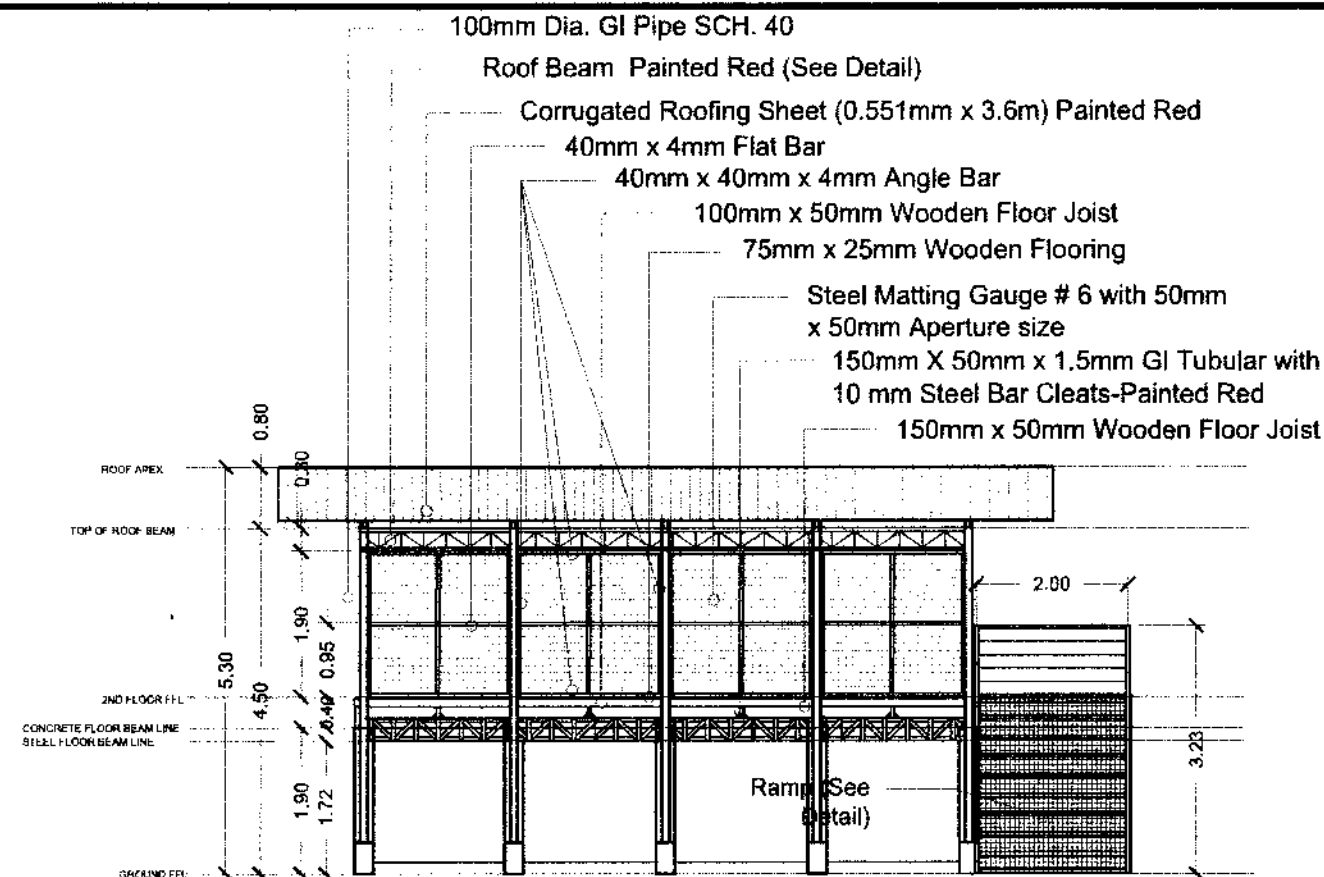


2 SECOND FLOOR PLAN  
A-2 SCALE: 1:50

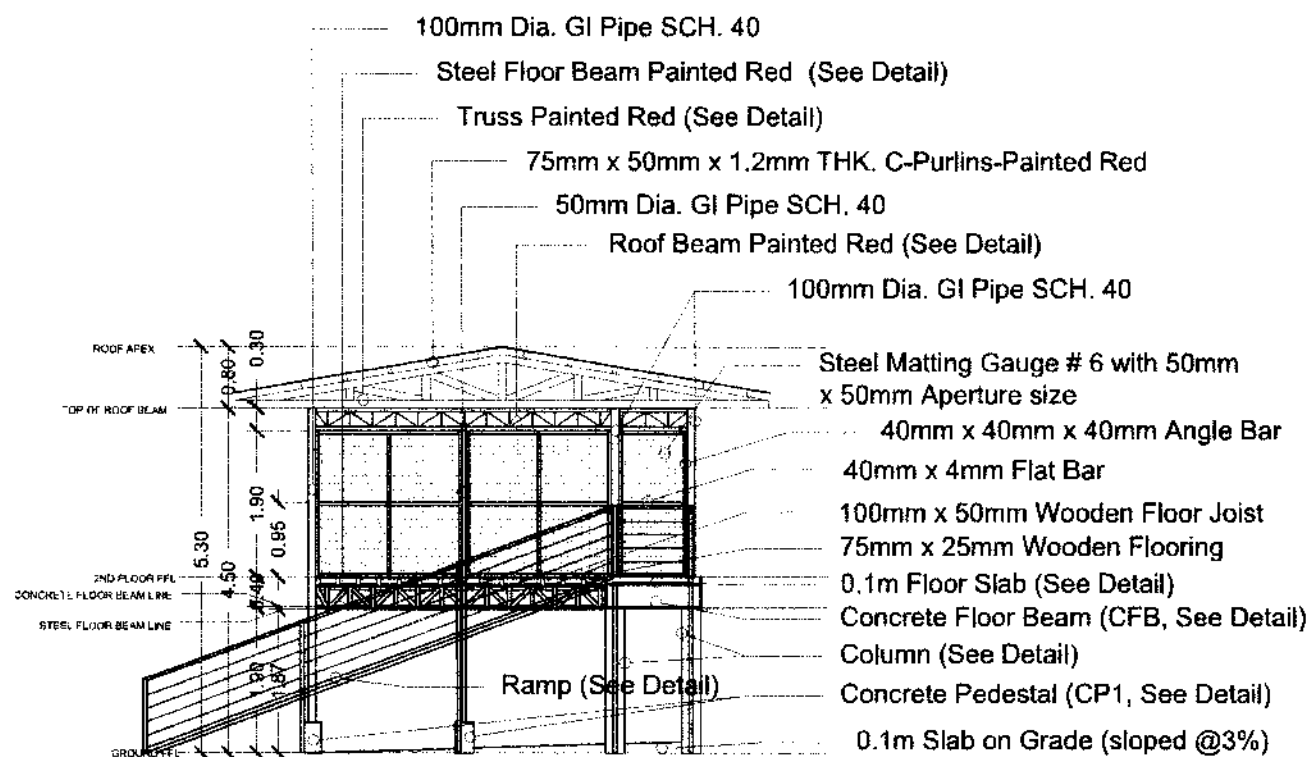
<p>IMPLEMENTING AGENCY</p> <p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE</p> <p>WESTERN VISAYAS PAROLA, ILOILO CITY</p>	<p>PROJECT NAME &amp; LOCATION</p> <p>IMPROVEMENT OF GOAT HOUSE</p> <p>DA-NOROS HIMAMAYLAN, SITIO BINGIG, BARANGAY 3, HIMAMAYLAN CITY, NEGROS OCCIDENTAL</p>	<p>SHEET CONTENTS</p> <p>-GROUND FLOOR PLAN -SECOND FLOOR PLAN</p> <p>CAD BY: DB, DILI</p>	<p>PREPARED</p> <p>DAVE BERNARD D. DILI, ABE Technical Staff (License No. 0008223)</p>	<p>REVIEWED/SUBMITTED</p> <p>YVONNE GRACE H. SUR, ABE Engineer III (License No. 0055970) Head, Engineering Plans, Designs, and Specifications Section</p>	<p>RECOMMENDED</p> <p>MOISES D. MANA-AY, ABE, MEE Engineer IV (License No. 0006077) DHC Chief, RAED</p>	<p>APPROVED BY</p> <p>DOMINADOR A. MARQUEZ, MPA DHC-RTD for Operation and Extension</p>	<p>SHEET NO. 1</p> <p>A 2</p> <p>PAGE NO. 2</p> <p>10</p>
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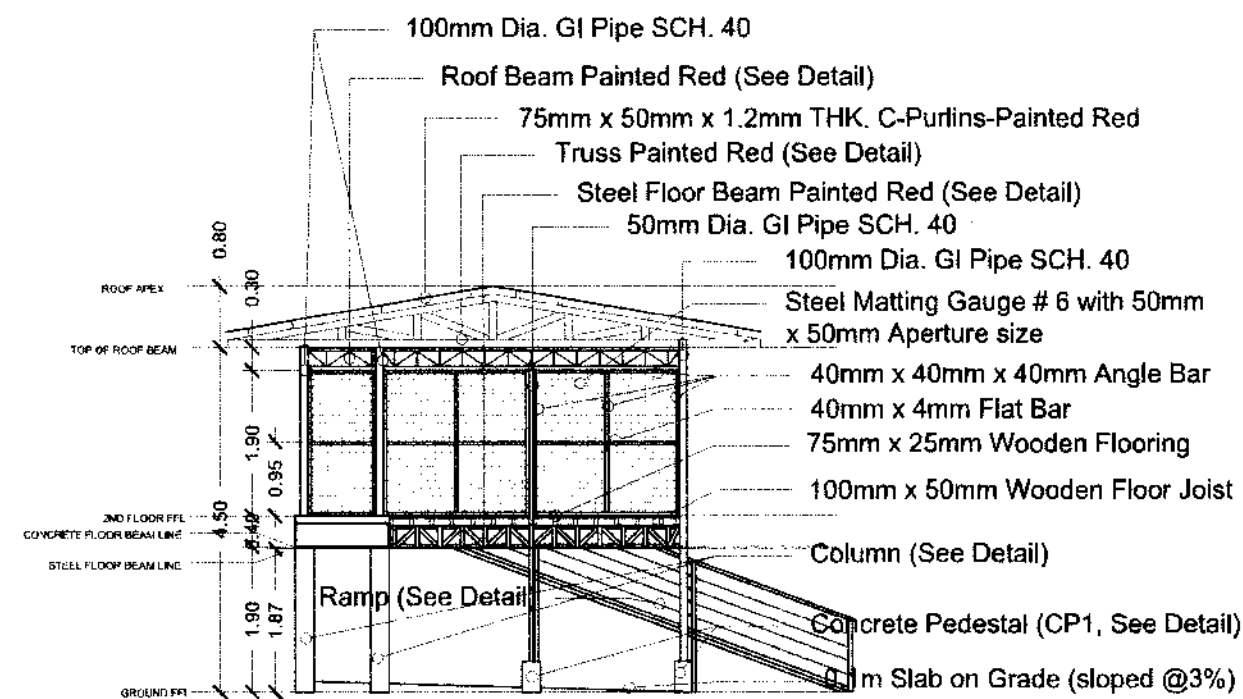
**1 FRONT ELEVATION**  
A-3 SCALE: 1:100



**2 REAR ELEVATION**  
A-3 SCALE: 1:100

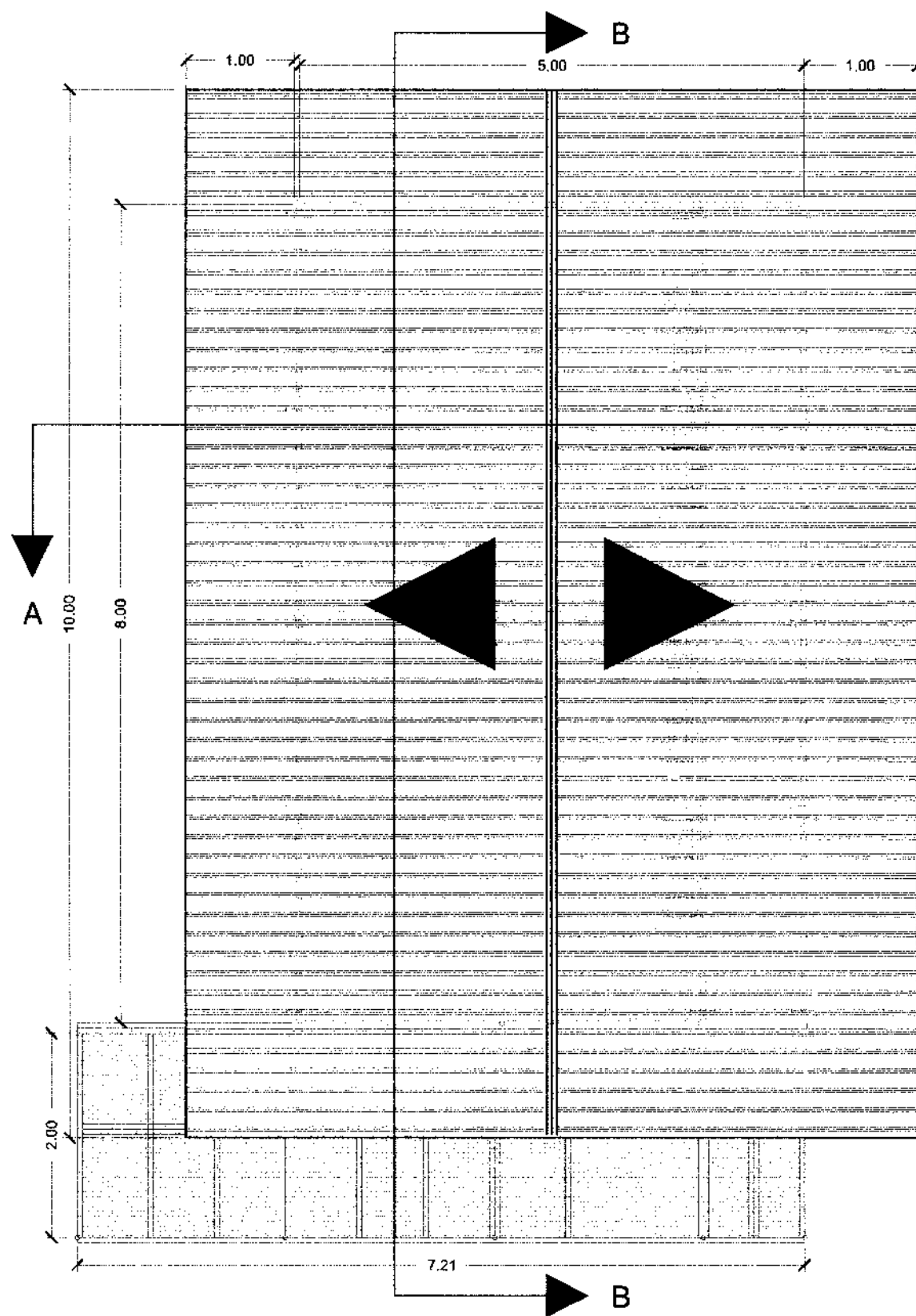


**3 LEFT SIDE ELEVATION**  
A-3 SCALE: 1:100

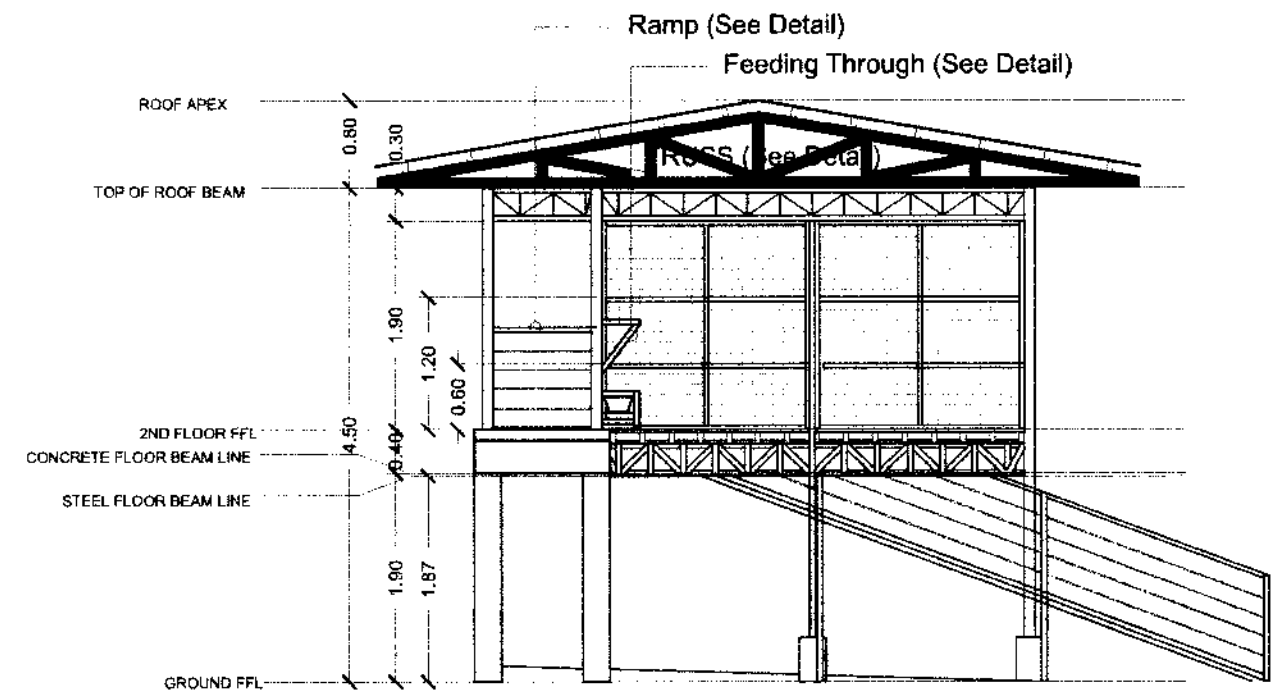


**4 RIGHT SIDE ELEVATION**  
A-3 SCALE: 1:100

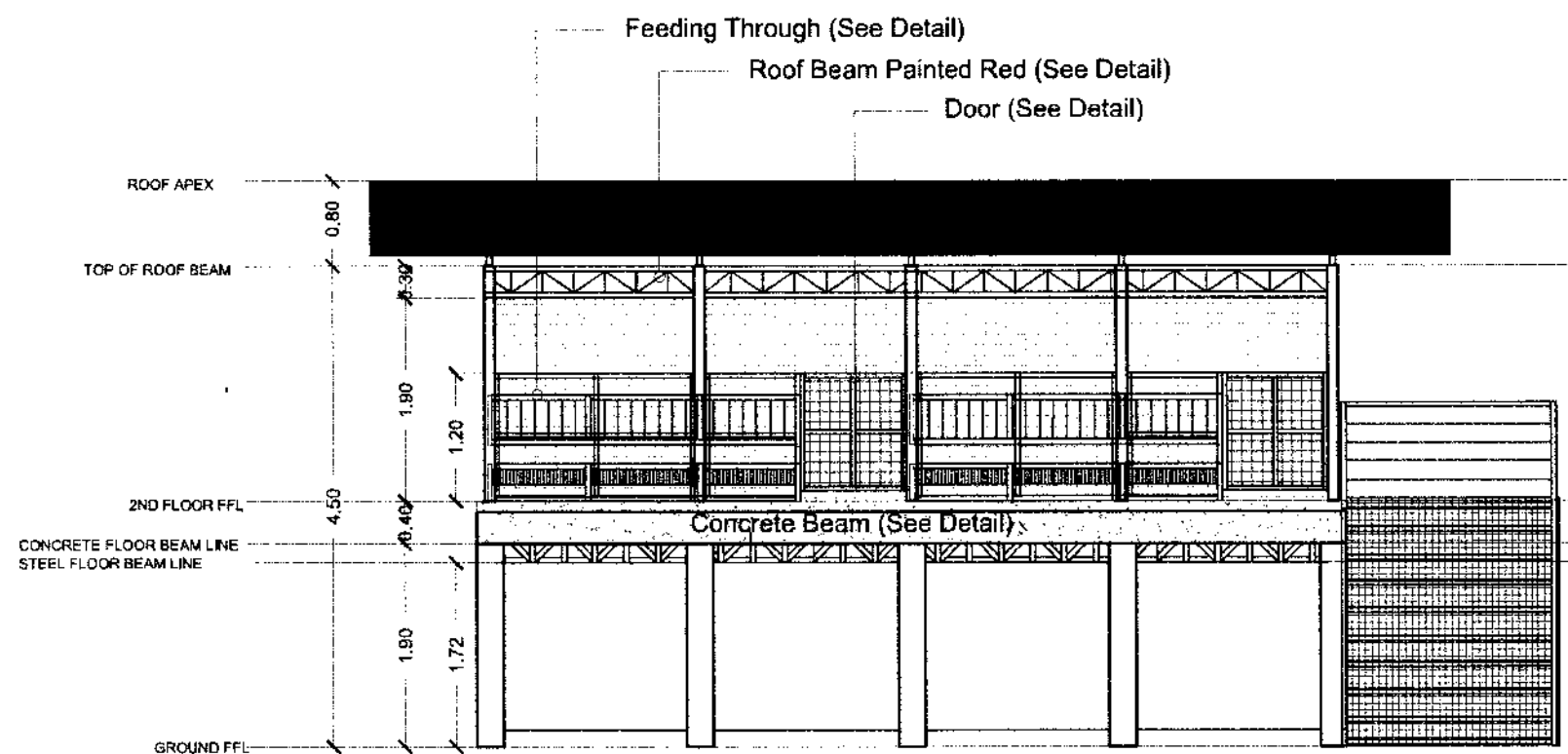
<p>IMPLEMENTING AGENCY:</p> <p><b>REPUBLIC OF THE PHILIPPINES</b> <b>DEPARTMENT OF AGRICULTURE</b></p> <p><b>WESTERN VISAYAS</b> PAROLA, ILOILO CITY</p>	<p>PROJECT NAME &amp; LOCATION:</p> <p><b>IMPROVEMENT OF GOAT HOUSE</b></p> <p>DA-NOROS HIMAMAYLAN, SITIO BINGIG, BARANGAY 3, HIMAMAYLAN CITY, NEGROS OCCIDENTAL</p>	<p>SHEET CONTENTS:</p> <p>-FRONT ELEVATION -REAR ELEVATION -LEFT SIDE ELEVATION -RIGHT SIDE ELEVATION</p> <p>CAD BY: DB, DILI</p>	<p>PREPARED:</p> <p><i>[Signature]</i> <b>DAVE BERNARD D. DILI, ABE</b> Technical Staff (License No. 0009273)</p>	<p>REVIEWED/SUBMITTED:</p> <p><i>[Signature]</i> <b>YVONNE GRACE H. SUR, ABE</b> Engineer IV (License No. 0005970) Head, Engineering Plans, Designs, and Specifications Section</p>	<p>RECOMMENDED:</p> <p><i>[Signature]</i> <b>MOISES D. MANA-AY ABE, MEE</b> Engineer IV (License No. 0006077) OIC-Chief, RAED</p>	<p>APPROVED BY:</p> <p><i>[Signature]</i> <b>DOMINADOR A. MARQUEZ, MPA</b> OIC-RTU for Operation and Extension</p>	<p>SHEET NO.:</p> <p><b>A</b> <b>3</b></p> <p>PAGE NO.:</p> <p><b>3</b> <b>10</b></p>
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**1 ROOF PLAN**  
A-4 SCALE: 1:70

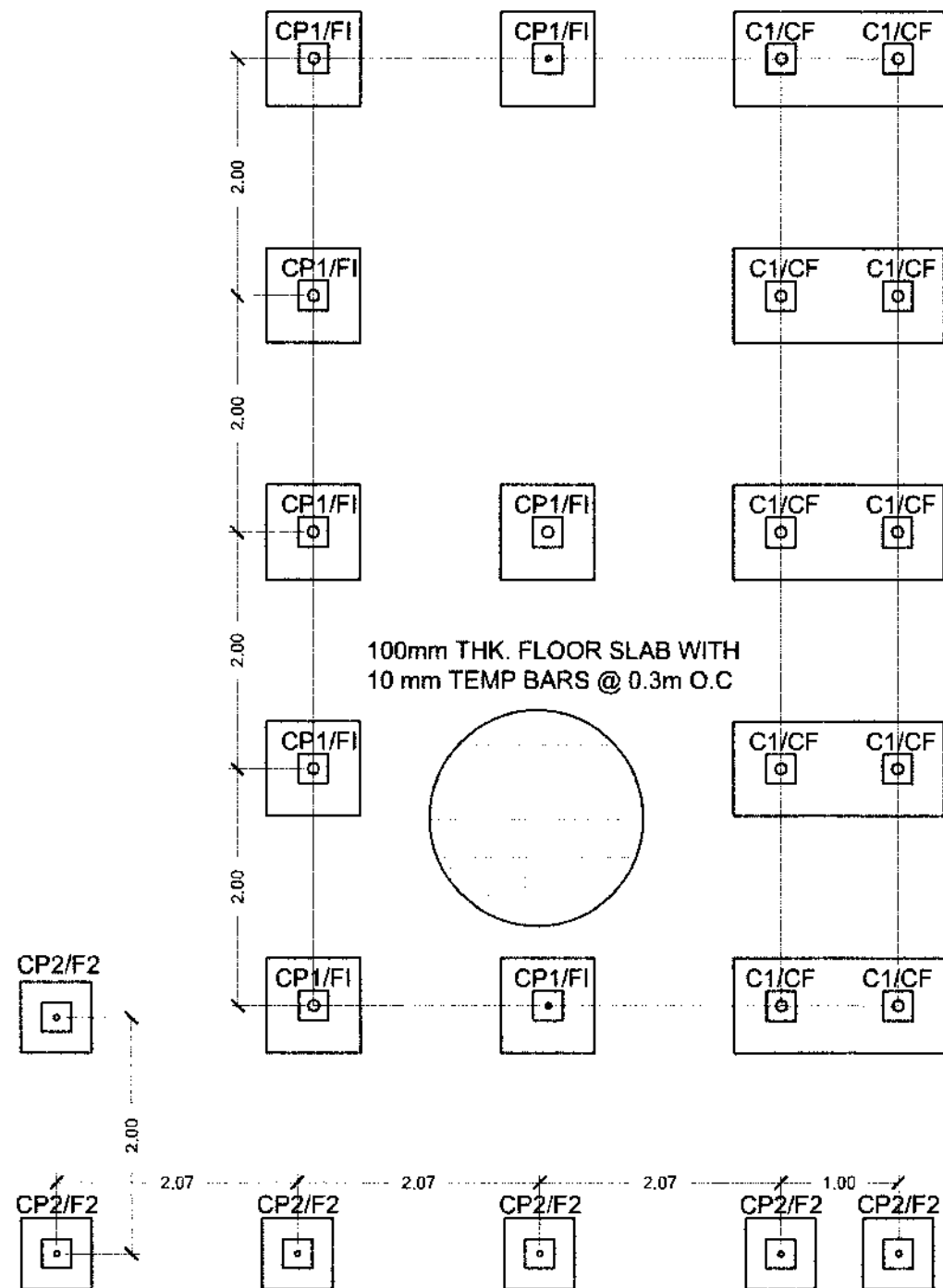


**2 SECTION THRU A-A**  
A-4 SCALE: 1:70

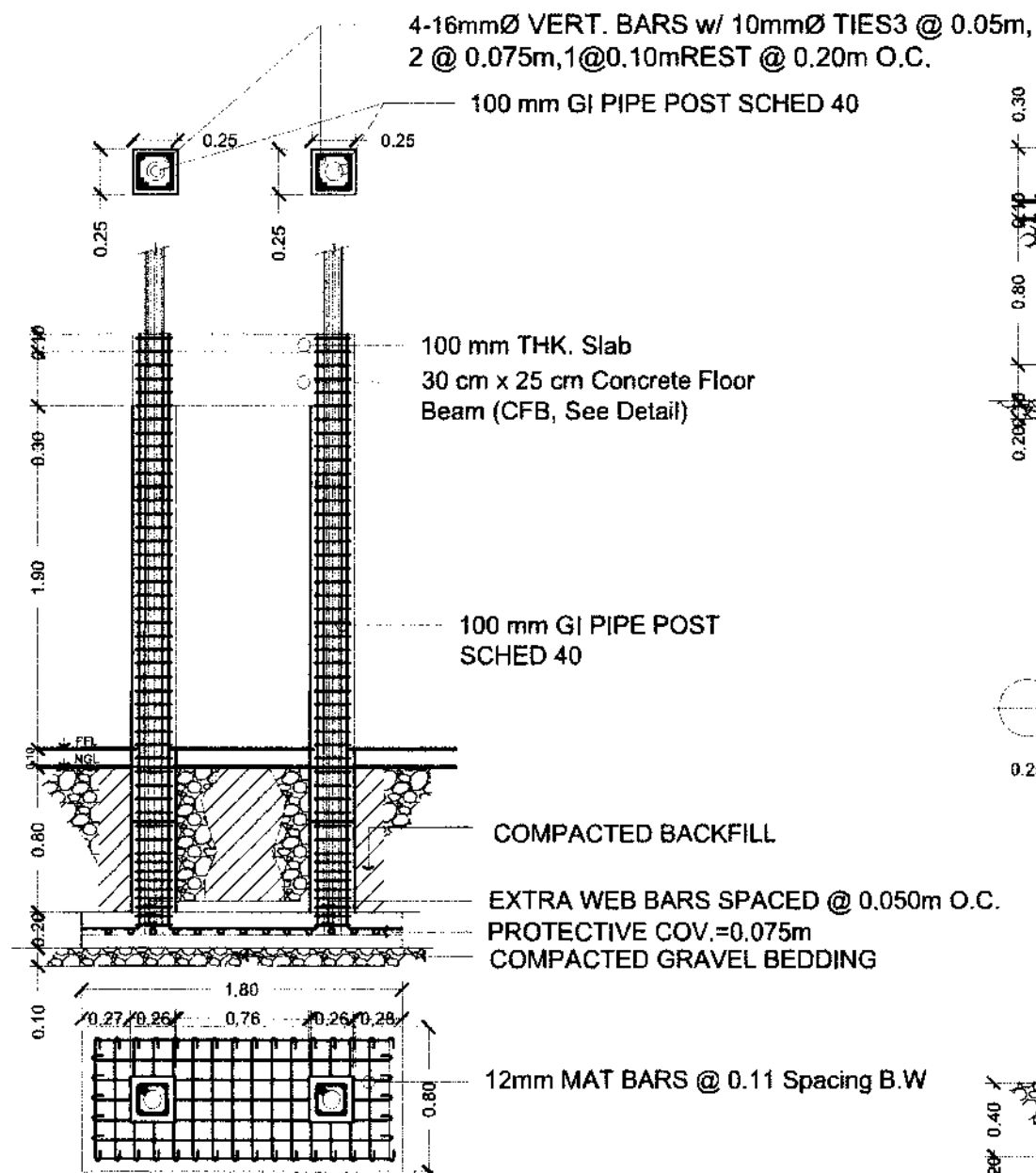


**3 SECTION THRU B-B**  
A-4 SCALE: 1:70

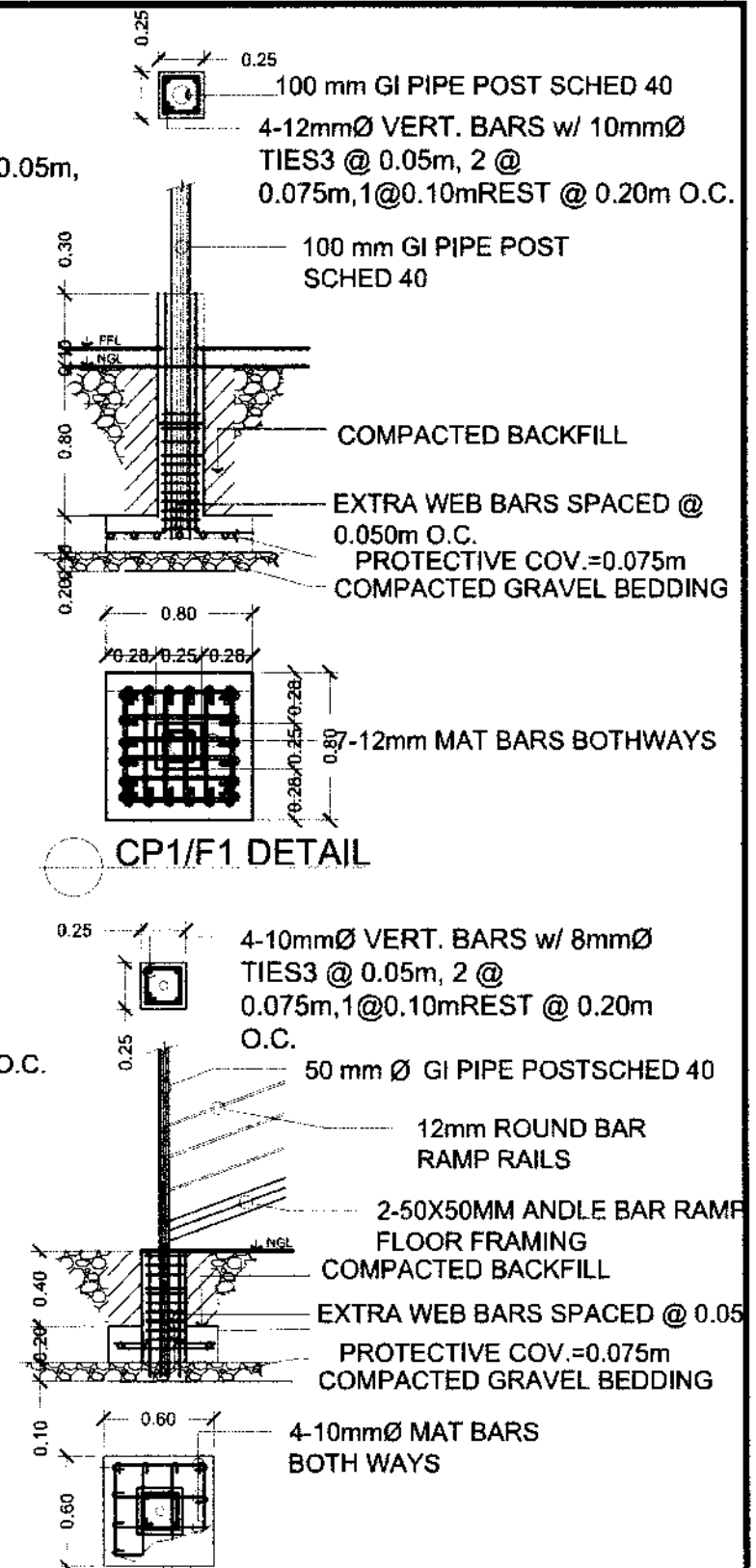
<p>IMPLEMENTING AGENCY</p> <p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE</p> <p>WESTERN VISAYAS PAROLA, ILOILO CITY</p>	<p>PROJECT NAME &amp; LOCATION</p> <p>IMPROVEMENT OF GOAT HOUSE</p> <p>DA-NOROS HIMAMAYLAN, SITIO BINGIG, BARANGAY 3, HIMAMAYLAN CITY, NEGROS OCCIDENTAL</p>	<p>SHEET CONTENTS</p> <p>-ROOF PLAN -SECTION THRU A-A -SECTION THRU B-B</p> <p>CAD BY: DB. DILI</p>	<p>PREPARED:</p> <p>DAVE BERNARD D. DILI, ABE Technical Staff (License No. 0009221)</p>	<p>REVIEWED/SUBMITTED:</p> <p>YVONNE GRACE H. SUR, ABE Engineer III (License No. 0005970) Head, Engineering Plans Division, and Specifications Section</p>	<p>RECOMMENDED:</p> <p>MOISES D. MANA-AY, ABE, MEE Engineer IV (License No. 0006077) OIC-Chief, RAED</p>	<p>APPROVED BY:</p> <p>DOMINADOR A. MARQUEZ, MPA OIC-RTD for Operation and Extension</p>	<p>SHEET NO.: A 4</p> <p>PAGE NO.: 4 10</p>
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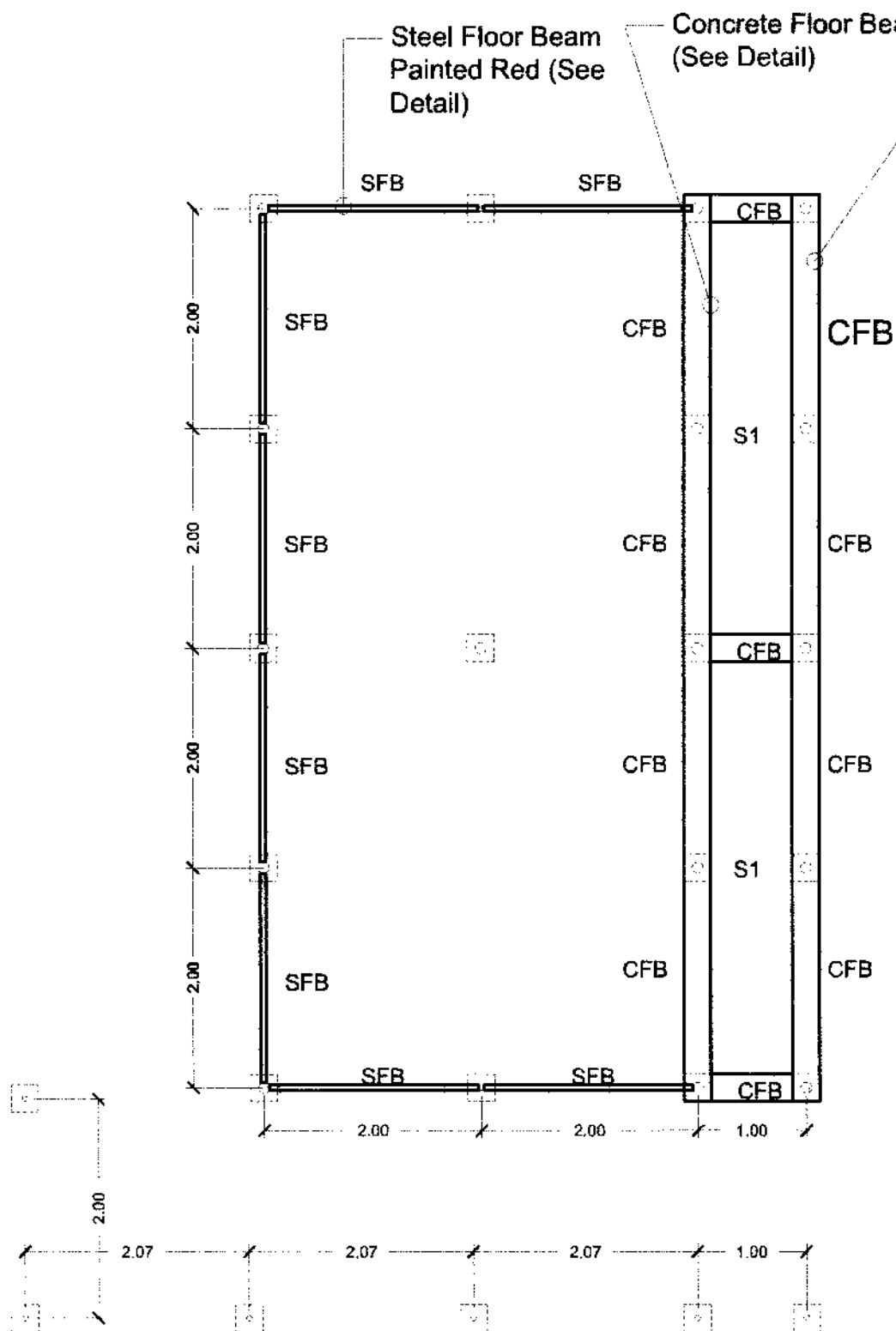
1 FOUNDATION PLAN  
S-1 SCALE: 1:60



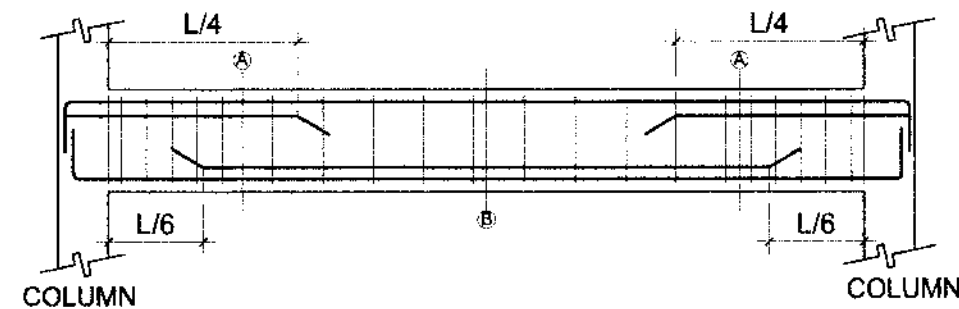
2 COLUMN/FOOTING DETAIL  
S-1 SCALE: 1:40



CP2/F2 DETAIL

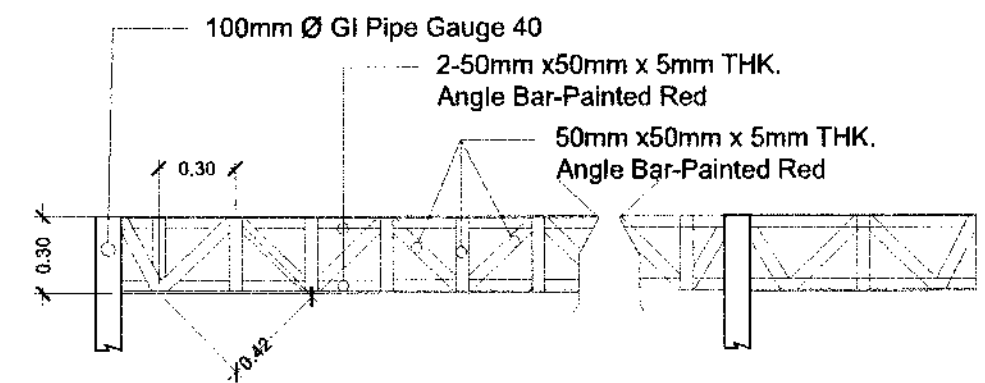
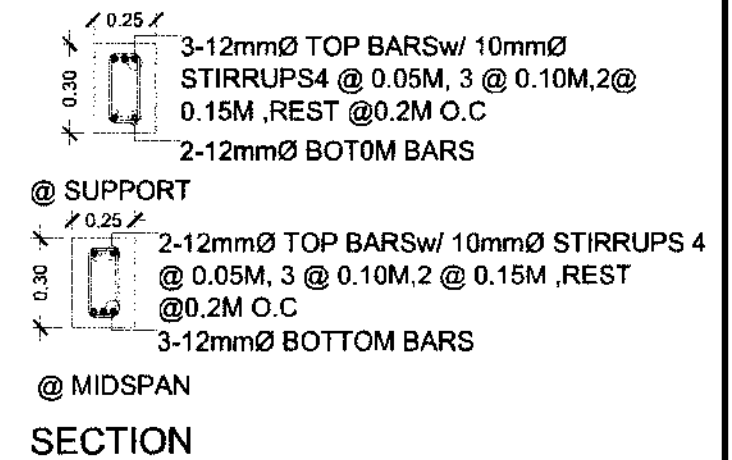


**1 FLOOR BEAM PLAN**  
S-2 SCALE: 1:60

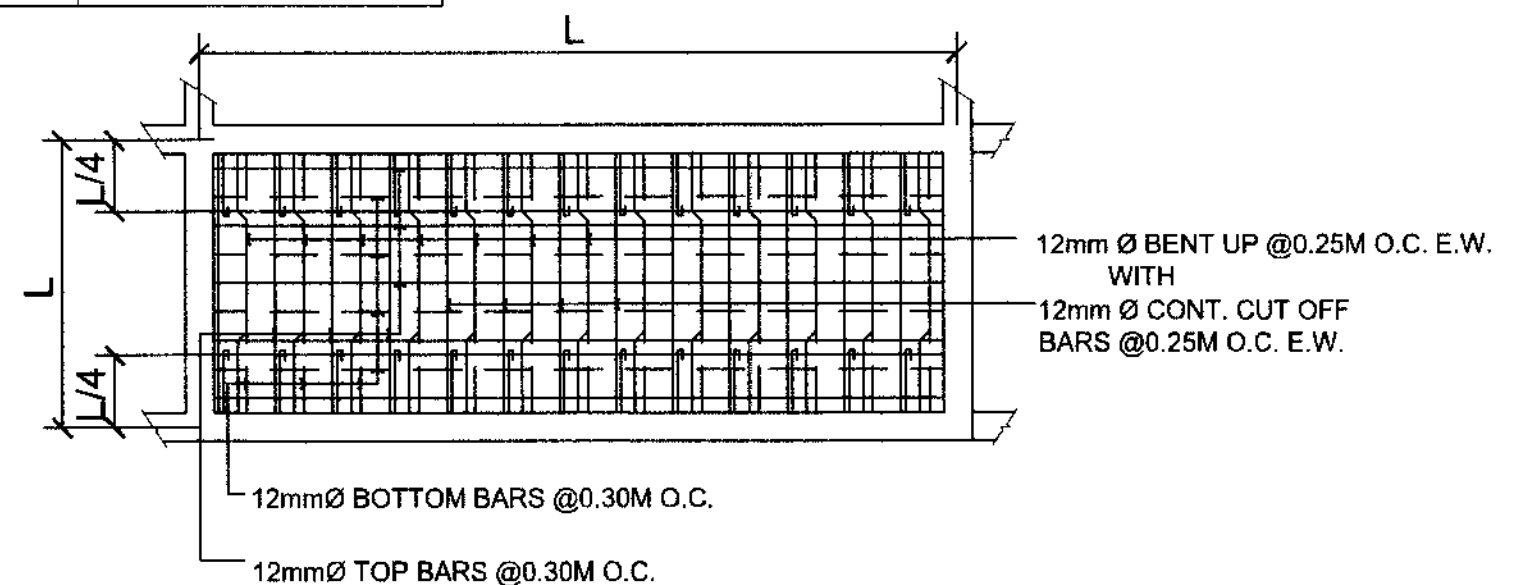


**2 TYPICAL CONCRETE FLOOR BEAM DETAIL**  
S-2 SCALE: 1:30

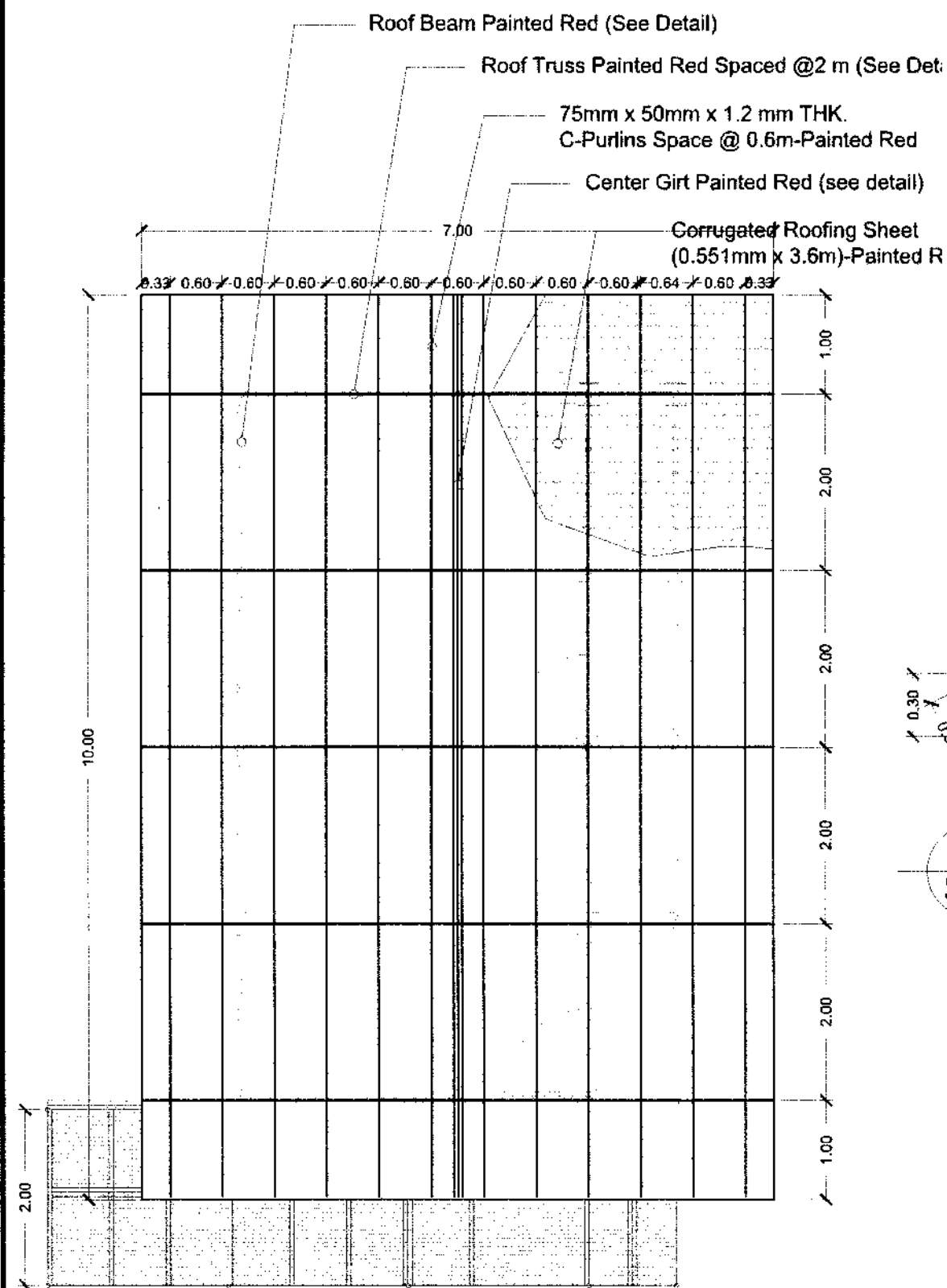
LEGENDS	
SYMBOLS	NAMES
CP	CONCRETE PEDESTAL
F	FOOTING
C	COLUMN
CF	COMBINED FOOTING
SFB	STEEL FLOOR BEAM
CFB	CONCRETE FLOOR BEAM
S1	ONE WAY SLAB



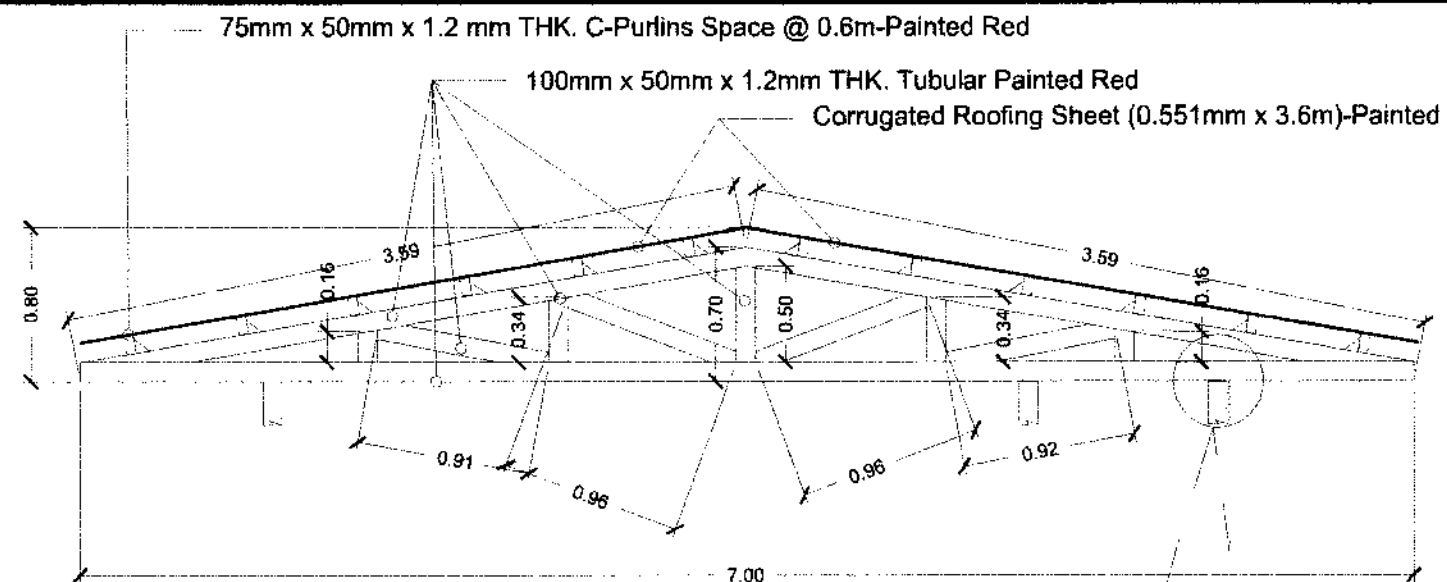
**3 STEEL FLOOR BEAM DETAIL**  
S-2 SCALE: 1:30



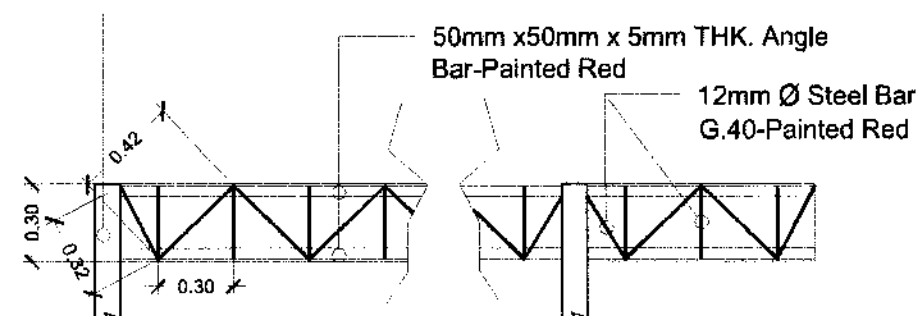
**4 TYPICAL ONE WAY SLAB DETAIL**  
S-2 SCALE: 1:NTS



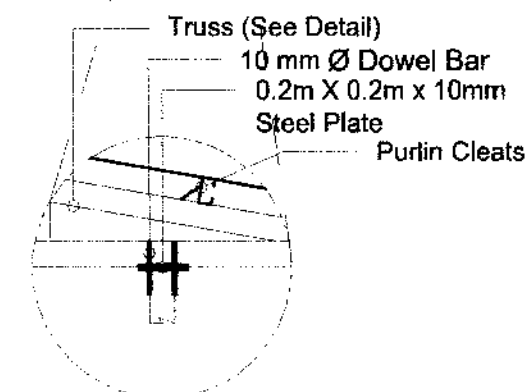
**1 ROOF FRAMING PLAN**  
S-3 SCALE: 1:70



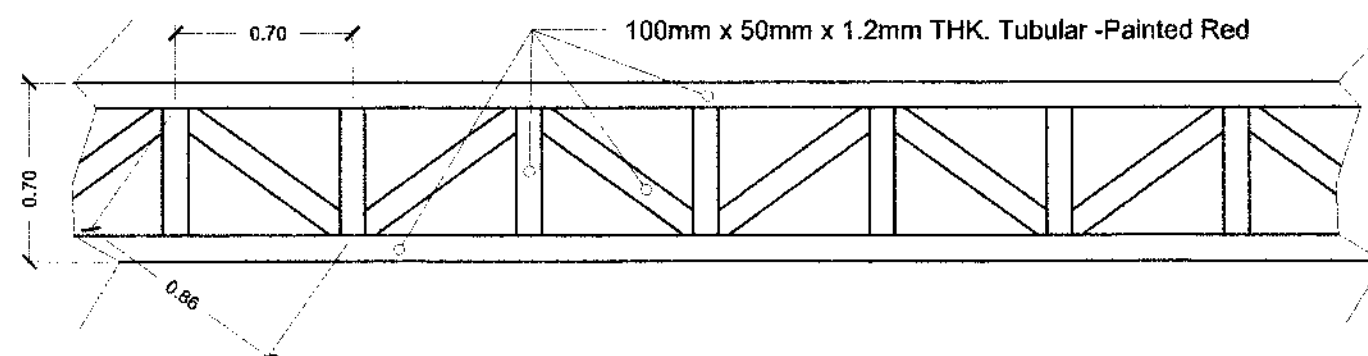
**2 TYPICAL ROOF TRUSS DETAIL**  
S-3 SCALE: 1:40



**3 ROOF BEAM DETAIL**  
S-3 SCALE: 1:30



**4 POST-TRUSS CONNECTION**  
S-3 SCALE: 1:30



**5 CENTER GIRT DETAIL**  
S-3 SCALE: 1:30

<p>IMPLEMENTING AGENCY:</p> <p>REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE</p> <p>WESTERN VISAYAS PAROLA, ILOILO CITY</p>	<p>PROJECT NAME &amp; LOCATION:</p> <p>IMPROVEMENT OF GOAT HOUSE</p> <p>DA-NOROS HIMAMAYLAN, SITIO BINGIG, BARANGAY 3, HIMAMAYLAN CITY, NEGROS OCCIDENTAL</p>	<p>SHEET CONTENTS:</p> <p>-ROOF FRAMING PLAN -TYPICAL ROOF TRUSS DETAIL -ROOF BEAM DETAIL -POST-TRUSS CONNECTION -CENTER GIRT DETAIL</p> <p>CAD BY: DB, DILI</p>	<p>PREPARED:</p> <p>DAVE BERNARD D. DILI, ABE Technical Staff (License No. 0003922)</p>	<p>REVIEWED/SUBMITTED:</p> <p>YVONNE GRACE H. SUR, ABE Engineer (License No. 0005570) Head, Engineering Plans, Designs, and Specifications Section</p>	<p>RECOMMENDED:</p> <p>MOISES D. MANAAY, ABE, MEE Engineer (License No. 0003077) PIC-Chief, RAID</p>	<p>APPROVED BY:</p> <p>DOMINADOR A. MARQUEZ, MPA PIC-RTD for Operation and Extension</p>	<p>SHEET NO.:</p> <p>S 3</p> <p>PAGE NO.:</p> <p>7 10</p>
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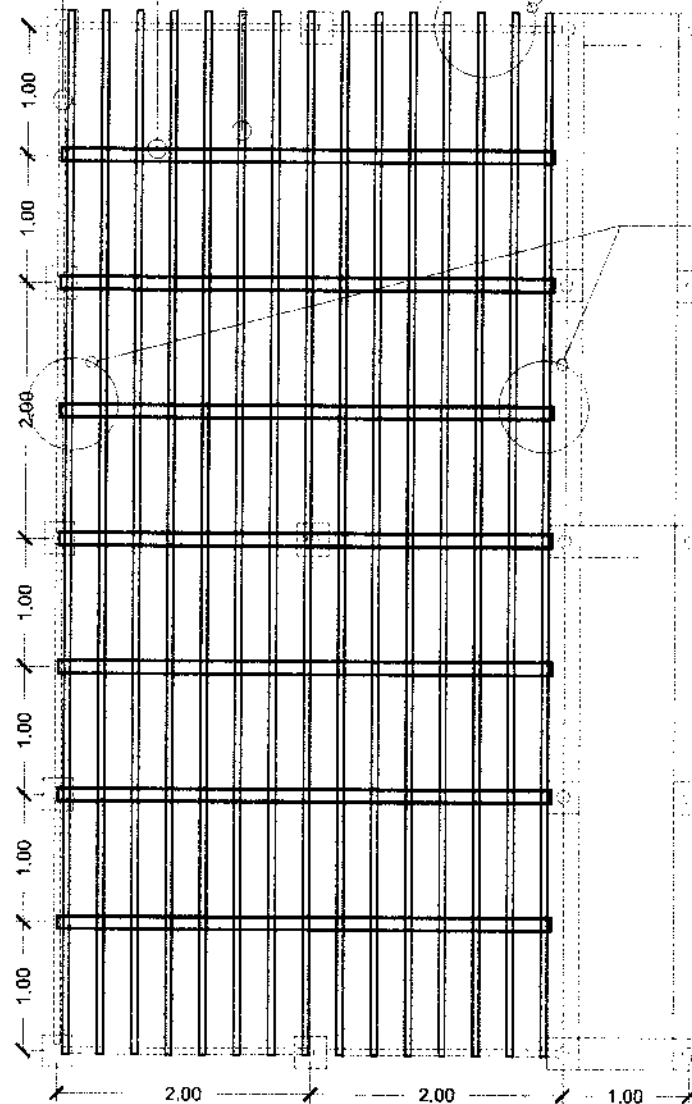
Steel Floor Beam Painted Red  
(See Detail)

150mm x 50mm x 1.5mm THK. Tubular  
Girder @1.0m O.C BW - Painted Red

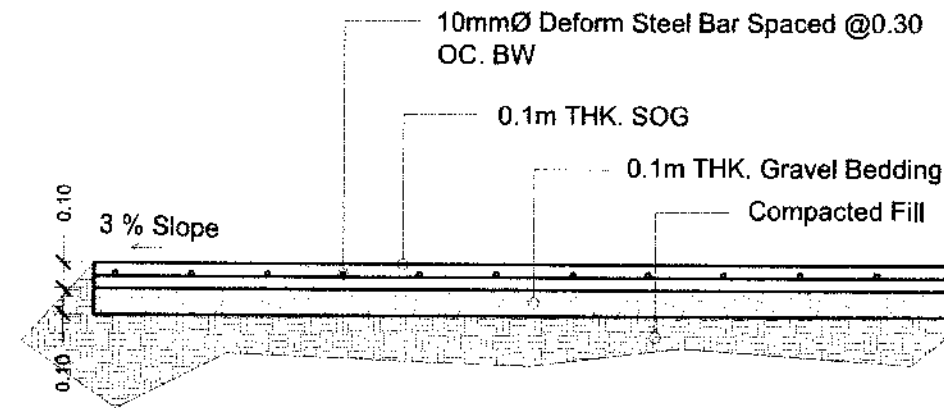
100mm x 50mm x THK. Wood  
Floor Joist @0.27m O.C BW

Floor Joist Connection  
(See Detail)

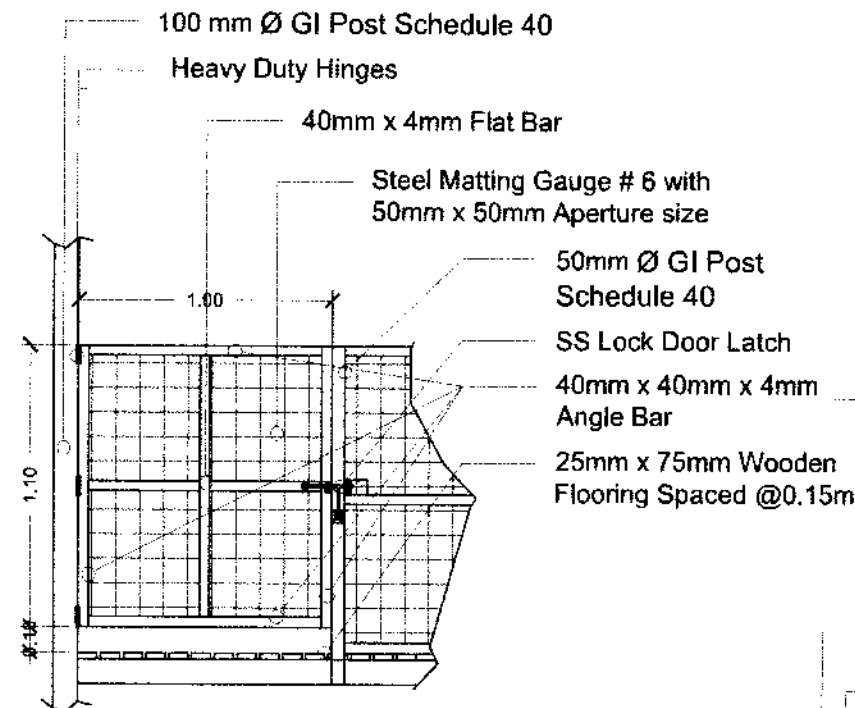
Floor Girder Connection  
(See Detail)



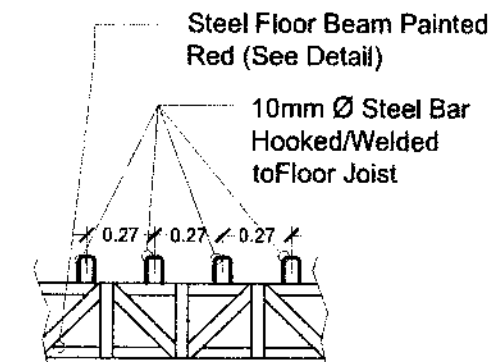
**1 FLOOR FRAMING PLAN**  
S-4 SCALE: 1:60



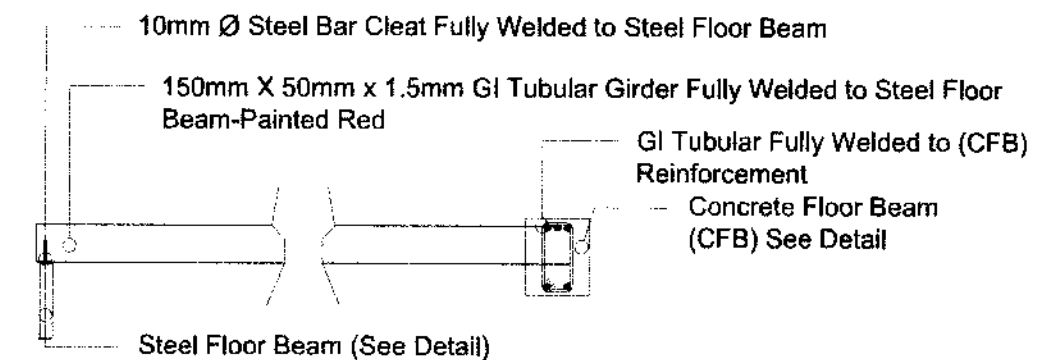
**2 TYPICAL SLAB ON GRADE DETAIL**  
S-4 SCALE: NTS



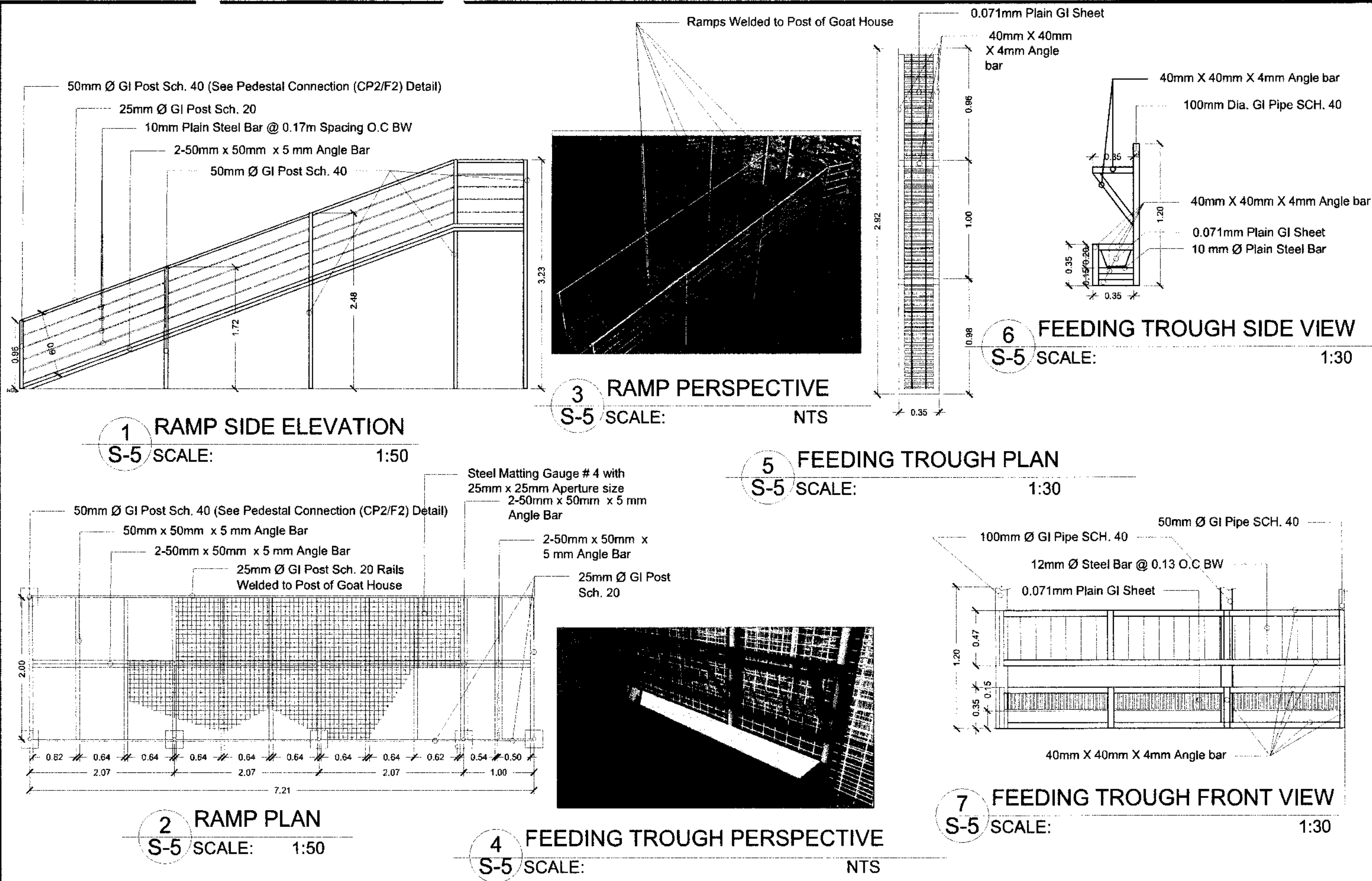
**3 TYPICAL DOOR DETAIL**  
S-4 SCALE: 1:30



**4 FLOOR JOIST CONNECTION DETAIL**  
S-4 SCALE: 1:30




**5 FLOOR GIRDER CONNECTION DETAIL**  
S-4 SCALE: 1:30



Name of Project:  
Location:


CONTRACTOR :  
DATE STARTED :  
CONTRACT COMPLETION DATE :  
CONTRACT COST :

IMPLEMENTING OFFICE : DEPARTMENT OF AGRICULTURE FIELD OFFICE VI  
SOURCE OF FUND :

 **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  
ILOILO CITY

PROJECT :  
LOCATION :

FUND SOURCE/S :

IMPLEMENTING AGENCY : DEPARTMENT OF AGRICULTURE FIELD OFFICE VI  
DEVELOPMENT PARTNER/S :  
CONTRACTOR SUPPLIER :  
BRIEF DESCRIPTION OF PROJECT :

PROJECT DETAILS :


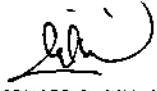
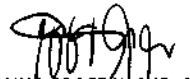
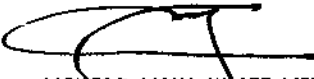



PROJECT DATE		PROJECT STATUS				REMARKS	
DURATION	STARTED	TARGET DATE OF COMPLETION	PERCENTAGE OF COMPLETION	AS OF (DATE)	COST INCURRED TO DATE		DATE COMPLETED

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 0915-5391857

TARPAULIN, WHITE, 8 FT x 8 FT  
RESOLUTION: 70 DPI  
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FONT SIZE: MAIN INFORMATION - 3"  
SUB INFORMATION - 1"  
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 <b>REPUBLIC OF THE PHILIPPINES</b> <b>DEPARTMENT OF AGRICULTURE</b> <b>WESTERN VISAYAS</b> PAROLA, ILOILO CITY	<b>PROJECT NAME &amp; LOCATION :</b> <b>IMPROVEMENT OF GOAT HOUSE</b> DA-NOROS HIMAMAYLAN, SITIO BINGIG, BARANGAY 3, HIMAMAYLAN CITY, NEGROS OCCIDENTAL	<b>SHEET CONTENTS :</b> -PROJECT SIGNBOARD -COA BILLBOARD CAD BY : (DB, DIL)	<b>PREPARED :</b>  <b>DAVE BERNARD D. DIL, ABE</b> Technical Staff (License No. 0009271)	<b>REVIEWED/SUBMITTED :</b>  <b>YVONNE GRACE H. SUR, ABE</b> Engineer II (License No. 0005970) Head, Engineering Plans, Designs, and Specifications Section	<b>RECOMMENDED :</b>  <b>MOISES D. MANA-AY, ABE, MEE</b> Engineer IV (License No. 0006077) SAC-Chief, RAED	<b>APPROVED BY :</b>  <b>DOMINADOR A. MARQUEZ, MPA</b> OIC-RTD for Operation and Extension	<b>SHEET NO. :</b>  <b>PAGE NO. :</b> 
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# Project Name: IMPROVEMENT OF GOAT HOUSE

Location: DA-NOROS Himamaylan, Sitio Bingig, Barangay 3, Himamaylan City, Negros Occidental

Project Duration: 49 calendar days

Total Estimated Project Cost: PhP 900,0000

## PERT/CPM NETWORK\*



## CONSTRUCTION SCHEDULE AND S-CURVE

Item No.	Item Discription	Quantity	Unit	Unit Cost (PhP)	Total Amount (PhP)	Wt. %	Month 1				Month 2	
							Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
I	B.9 Mobilization/Demobilization	1.00	lot	5,915.84	5,915.84	0.66 %						
	B.5 Project Signboard and COA Billboard	1.00	lot	9,505.06	9,505.06	1.06 %						
II	803 Structural Excavation	13.25	cu.m.	600.95	8,182.50	0.91 %						
	804 Structural Backfill	10.91	cu.m.	482.85	5,267.35	0.59 %						
	1707 Leveling Course	5.45	cu.m.	2568.39	13,992.55	1.55 %						
III	902 (1)a Reinforcing Steel Bar (Deformed)	1235.07	kg	86.89	107,311.35	11.92 %						
	414 Formworks	70.75	sq.m.	632.89	44,776.69	4.98 %						
	901 (b)2 Structural Concrete Class A,28 days (Footing and Slab)	7.70	cu.m.	8,090.59	62,265.15	6.92 %						
	900(1) Structural Concrete Class A,28 days (Columns and Beams)	3.81	cu.m.	8,847.81	33,732.24	3.75 %						
IV	1047 Structural Steel Roof Framing (Truss)	347.76	kg	327.22	113,791.29	12.64 %						
	1047(2)c Structural Steel Purlins	257.76	kg	105.92	27,300.37	3.03 %						
	1013 (1) Corrugated Metal Roofing	71.00	sq.m.	733.15	52,053.14	5.78 %						
	1013 (2) Fabricated Metal Roofing Accesories (Ridge Roll)	10.00	l.m.	301.80	3,017.95	0.34 %						
V	1047 Metal Structures (Post and Beams)	2492.89	kg	87.00	216,870.84	24.10 %						
	1047 Metal Structures (Wall Framing)	423.48	kg	101.36	42,498.35	4.72 %						
	1047 Metal Structures (Walls)	53.90	sq.m.	633.74	34,158.29	3.80 %						
	1047 Metal Structures (Ramps and Feeding Through)	1.00	lot	63,929.67	63,929.67	7.10 %						
VI	1003(8) Carpentry and Joinery Works (Wood Flooring)	492.00	bd.ft.	69.69	34,284.43	3.81 %						
VII	1006(6) Steel Doors and Frames	1.00	lot	5,292.61	5,292.61	0.59 %						
VIII	1032 Paintings	190.27	sq.m.	83.33	15,854.33	1.76 %						
TOTAL					900,000.00	100 %						

NOTE: PERT/CPM NETWORK diagram was adjusted/corrected for holidays, sundays and unworkable days due to weather.

Number of Working Days (Critical Path): 41.00 days

Sundays and Holidays: 8 days (0.1854 X CP)

Total Number of Calendar Days: **49.00 days** (Project Duration)

Physical Accomplishment	Monthly	9.81 %	15.55 %	25.93 %	30.57 %	12.25 %	5.89 %
%	Commulative	9.81 %	25.36 %	51.29 %	81.86 %	94.11 %	100.00 %
Financial Accomplishment	Monthly	88,290.00	139,950.00	233,370.00	275,130.00	110,250.00	53,010.00
PhP	Commulative	88,290.00	228,240.00	461,610.00	736,740.00	846,990.00	900,000.00

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