



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

DETAILED ENGINEERING DESIGN PLANS

CONSTRUCTION OF SILAGE FACILITY

DA-NOROS HIMAMAYLAN, SITIO BINGIG, BRGY. 3,
HIMAMAYLAN CITY, NEGROS OCCIDENTAL

DA - HALAL 2025

Submitted:


MOISES D. MANABAT, ABET, MEE
Inspector V (License No. 0006077)
Chief, RAED

Recommending Approval:


MARIA TERESA T. SOLIS
OIC - RTD for Operations

Approved:


DENNIS R. ARPJA
Regional Executive Director



PERSPECTIVE VIEW
SCALE: NTS

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| 02/08 | FLOOR PLAN, AND ROOF PLAN |
| 03/08 | ELEVATIONS |
| 04/08 | ROOF FRAMING, WOOD PLANKS, AND REAR SIDE WEEP HOLES |
| 05/08 | TRUSS DETAIL, STRUT DETAIL, RAMP DETAIL, TRUSS CONNECTION, AND FACIA FRAME DETAILS |
| 06/08 | FOUNDATION PLAN, COLUMN FOOTING, AND WALL FOOTING DETAIL |
| 07/08 | ROOF BEAM PLAN, SCHEDULE OF BEAM, AND DOOR |
| 08/08 | PROJECT SIGNBOARD, AND COA BILLBOARD |



DA-ROS,
Himamaylan

REGION VI

| Item No. | Scope of Works | Qty | Unit |
|--|---|---------|------|
| I. OTHER GENERAL REQUIREMENTS | | | |
| 9.5 | MOBILIZATION/DEMOLITION | 1.00 | lot |
| 9.5 | PROJECT SIGNBOARD AND COA BILLBOARD | 1.00 | lot |
| 9.7(2) | OCCUPATIONAL SAFETY AND HEALTH PROGRAM | 1.00 | lot |
| II. EARTHWORKS | | | |
| 803 | STRUCTURE EXCAVATION | 12.52 | cu m |
| 804 | EMBANKMENT (COMPACTED) | 2.65 | cu m |
| 1705 | STRUCTURAL BACKFILL | 9.26 | cu m |
| 1707 | LEVELING COURSE | 4.12 | cu m |
| III. REINFORCED CONCRETE WORKS | | | |
| 932(1)a | REINFORCING STEEL BAR (DEFORMED) | 812.48 | kg |
| 4.4 | FORMWORKS | 68.54 | sq m |
| IV. MASONRY WORKS | | | |
| 900(1) | STRUCTURAL CONCRETE, CLASS A (footing) | 6.13 | cu m |
| 903(1) | STRUCTURAL CONCRETE, CLASS A (columns & beams) | 3.35 | cu m |
| 1046 | CHB (including Reinforcing Steel) | 44.59 | sq m |
| V. ROOFING WORKS | | | |
| 1027 (1) | CEMENT PLASTER (SMOOTH FINISH) | 73.18 | sq m |
| 1047 | STRUCTURAL STEEL ROOF FRAMING (TRUSS and C-Trackway, Facia Board Fasting and Texting) | 1331.40 | kg |
| 1013 (1) | Redgelo | 64.74 | sq m |
| VI. METAL STRUCTURES AND OTHER ACCESSORIES | | | |
| SP-1 | DOORS AND HINGES, WOOD PLANKS AND PVC DRAIN | 1.00 | kg |
| VII. PAINTINGS | | | |
| 1032 | METAL PAINTINGS | 112.60 | sq m |

SUMMARY OF QUANTITY
SCALE: NTS

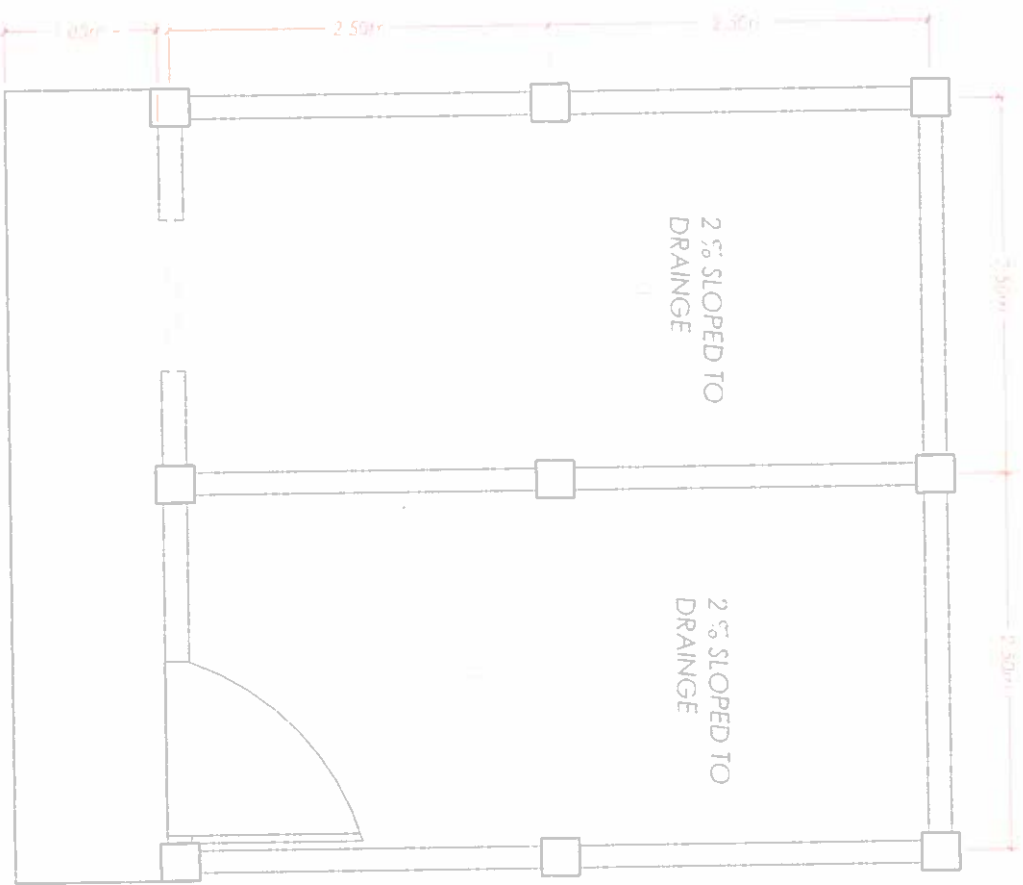
Bingig
Elementary
School

VICINITY MAP
SCALE: NTS

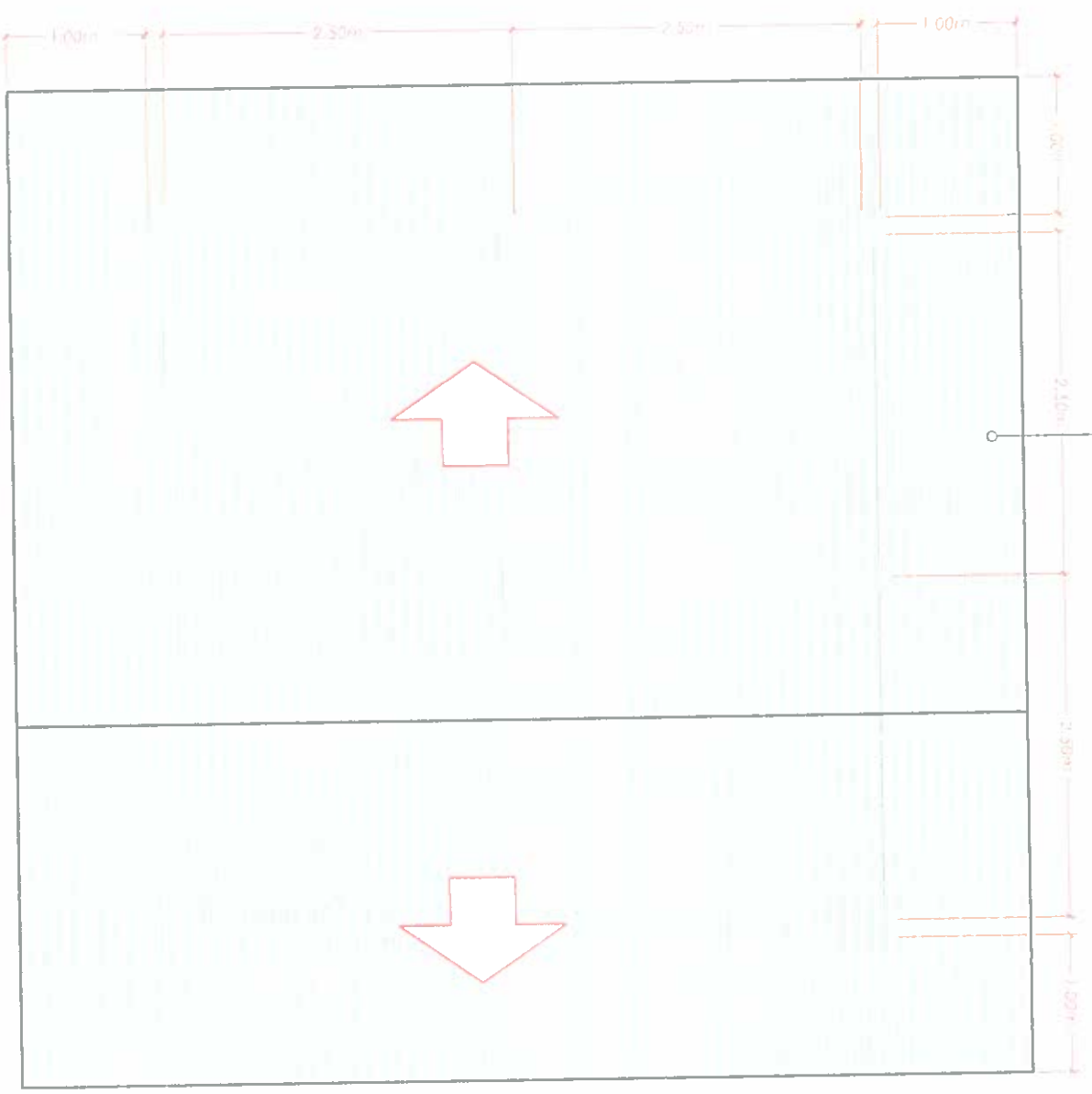


THIS SITE
DA-NOROS, SITIO BINGIG, BRGY.
3, HIMAMAYLAN CITY, NEGROS
OCCIDENTAL

| | | | | | | | | |
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| PROJECTING AGENCY REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE WESTERN VISAYAS PAROLA, ILOILO CITY | PROJECT NAME & LOCATION CONSTRUCTION OF SILAGE FACILITY REGION VI | SHEET CONTENTS -PERSPECTIVE VIEW -SUMMARY OF QUANTITIES -VICINITY MAP CANDID Pn. Dn. I | PREPARED BY ENGR. DAVE DENARD D. DULI Pn. Dn. I | CHECKED BY YVONNE GRACIE SUR, ABE Pn. Dn. I | PROJECT COORDINATOR MOSES D. MANAYAN, ABE, MEE Pn. Dn. I | REVIEWING APPROVAL Pn. Dn. I | APPROVED BY Pn. Dn. I | DATE 01 08 |
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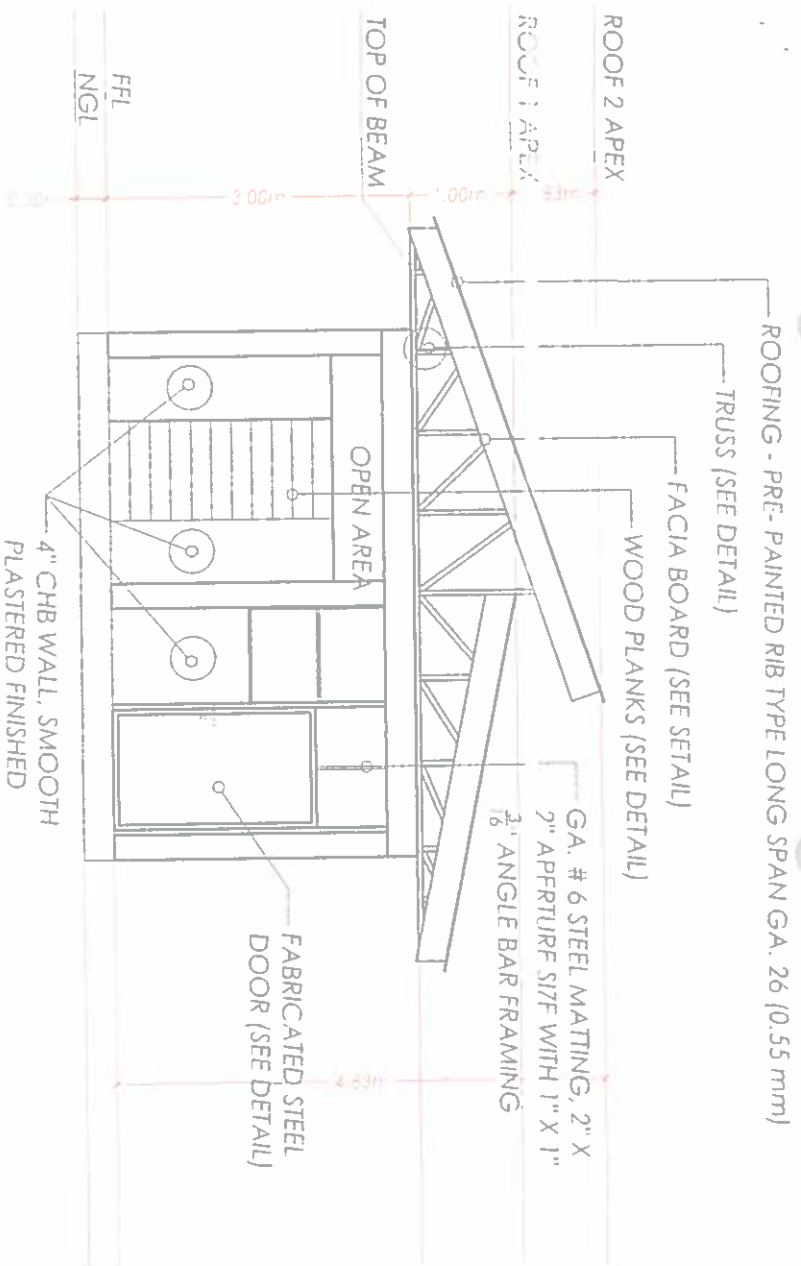


FLOOR PLAN
SCALE: 1:50

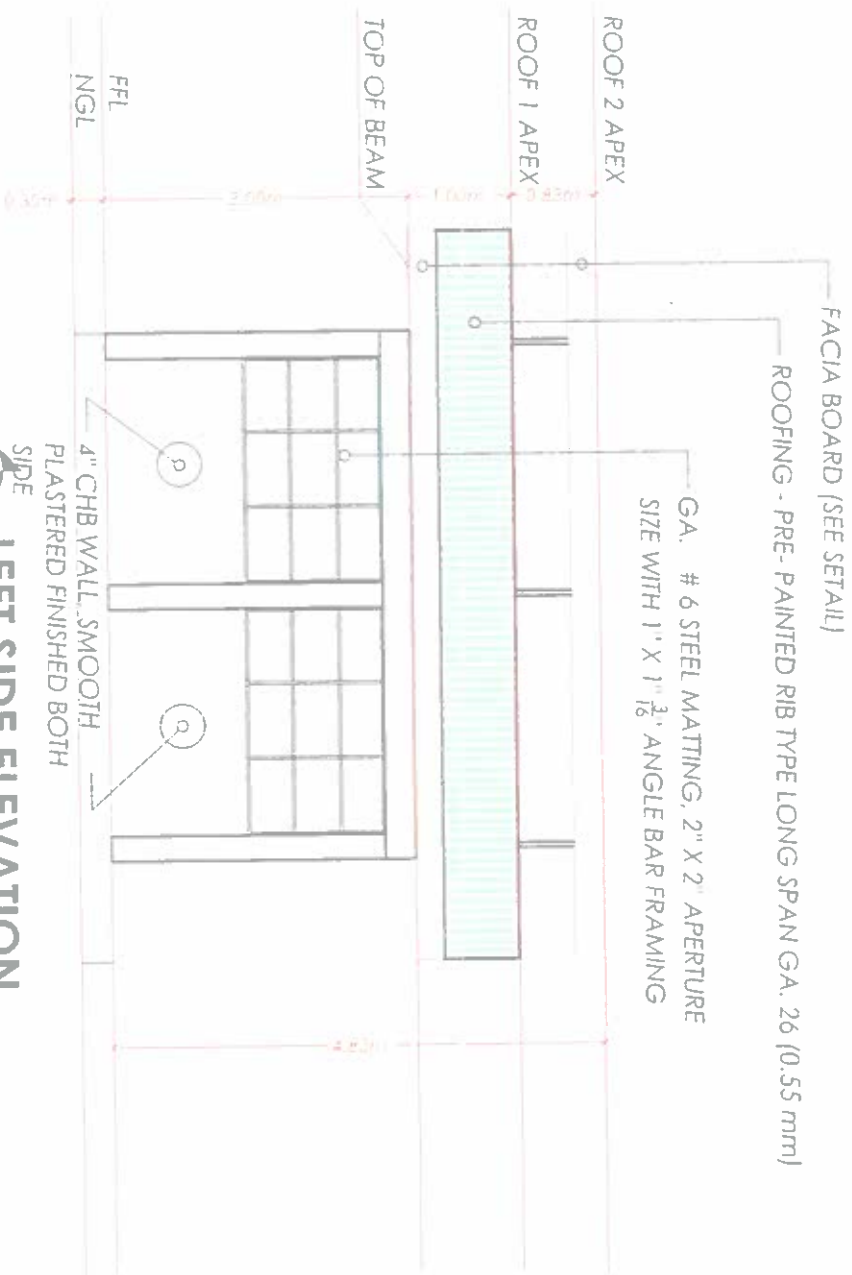


ROOF PLAN
SCALE: 1:50

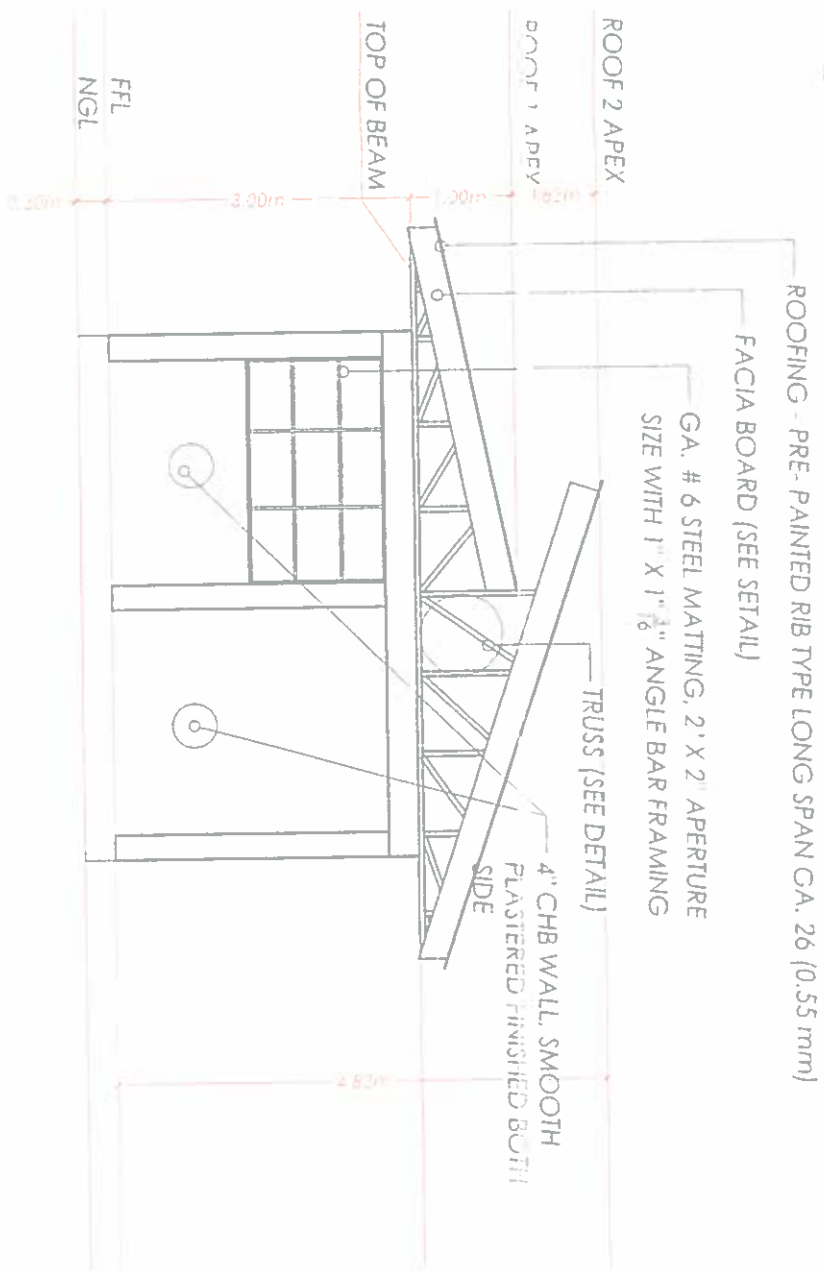
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|---|--|



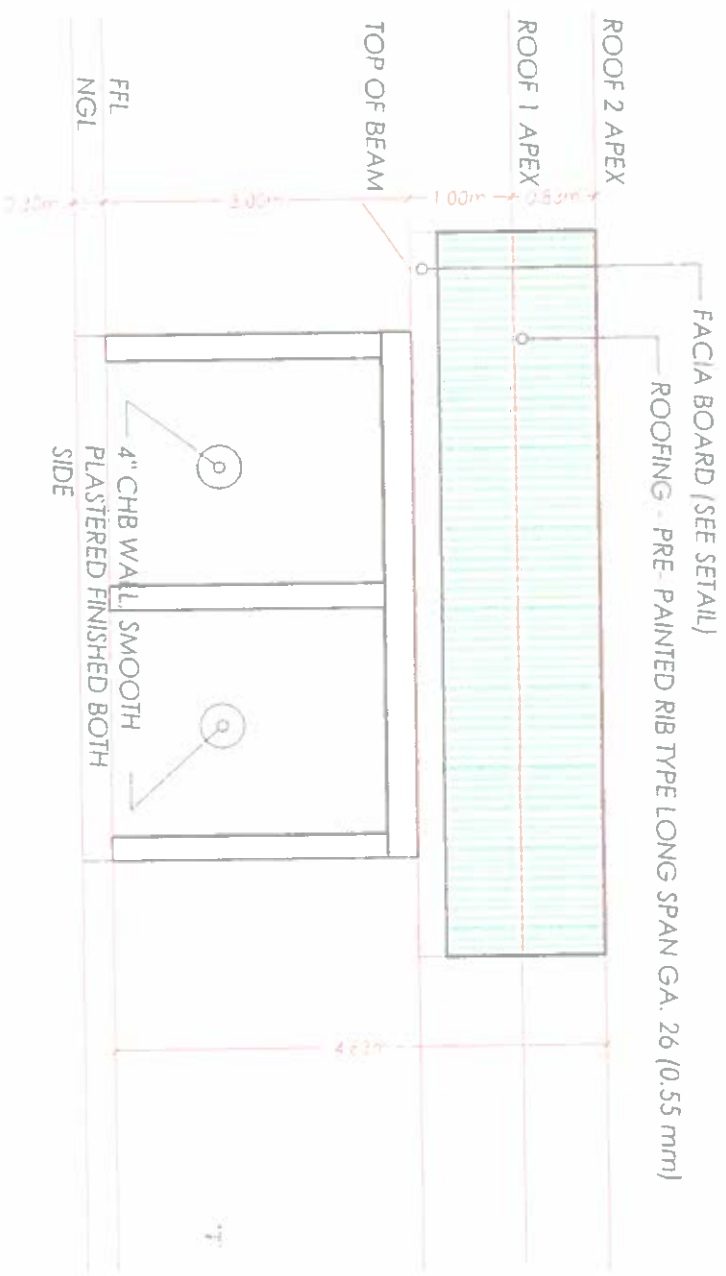
FRONT ELEVATION
SCALE: 1:75



LEFT SIDE ELEVATION
SCALE: 1:75



REAR ELEVATION
SCALE: 1:75



RIGHT SIDE ELEVATION
SCALE: 1:75



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

PROJECT NAME AND LOCATION
CONSTRUCTION OF SILAGE
FACILITY
REGION VI

SHEET CONTENTS
- ELEVATIONS
CAD/IN
PH.D/II

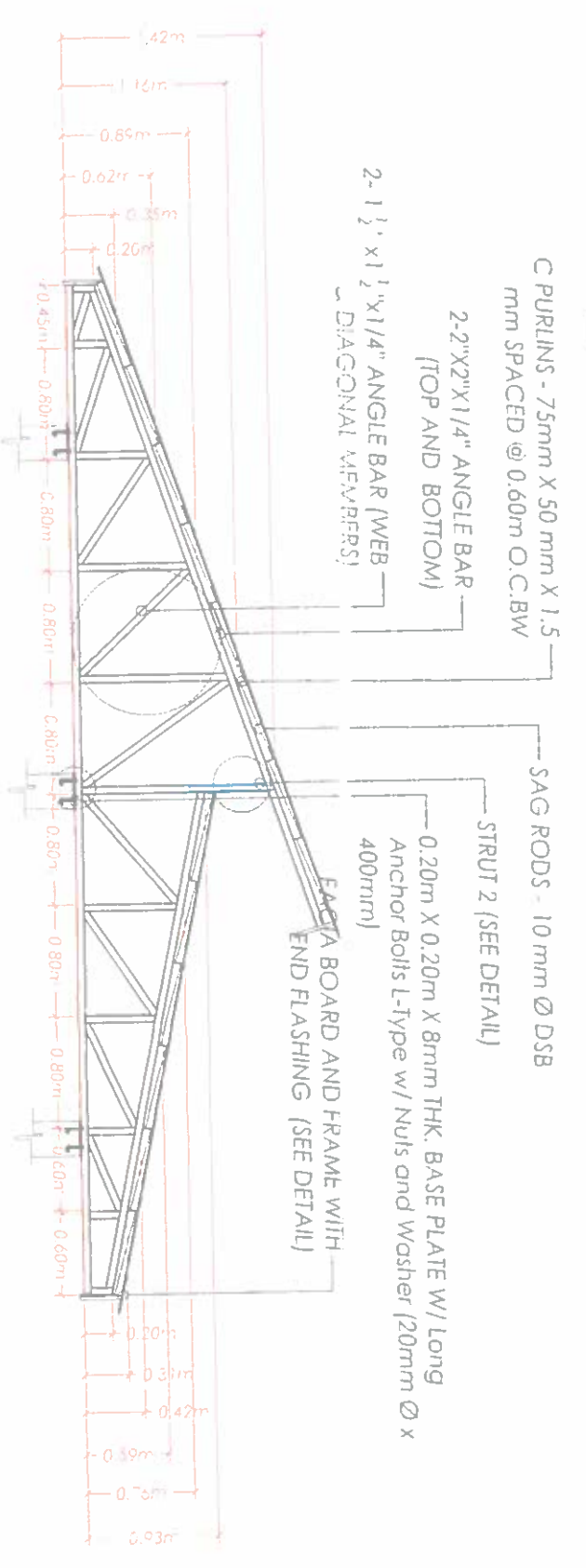
PREPARED BY
ENGR. DAVE BERNARD D. DULI
ARCHITECT
1.2.2023

CHECKED BY
WYONIE BRACER
ARCHITECT
1.2.2023

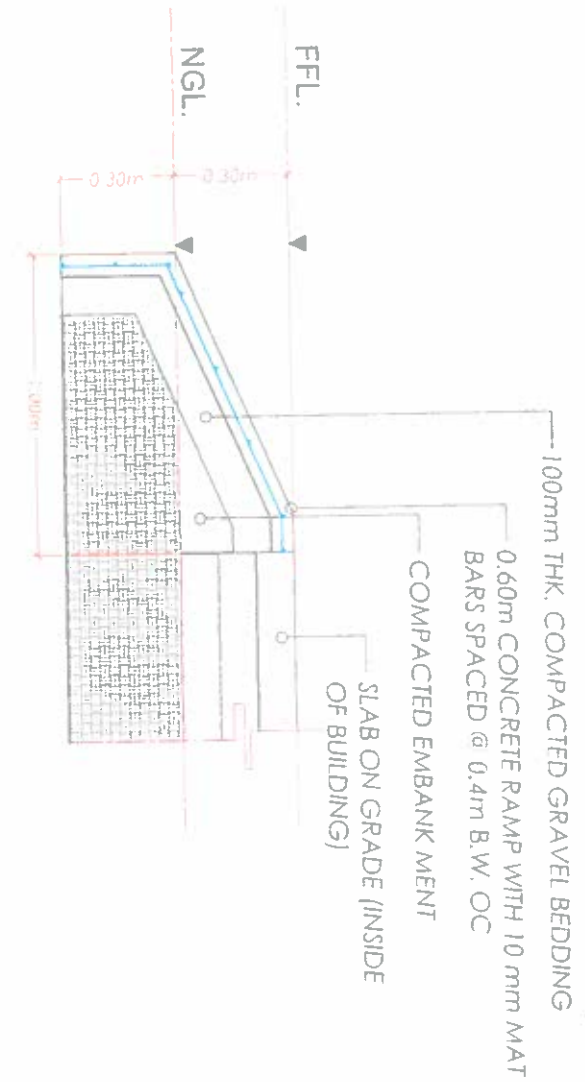
REVIEWED BY
MOSES D. MANAYABE, MEE
1.2.2023

RECOMMENDING APPROVAL
MANAYABE, MOSES D.
1.2.2023

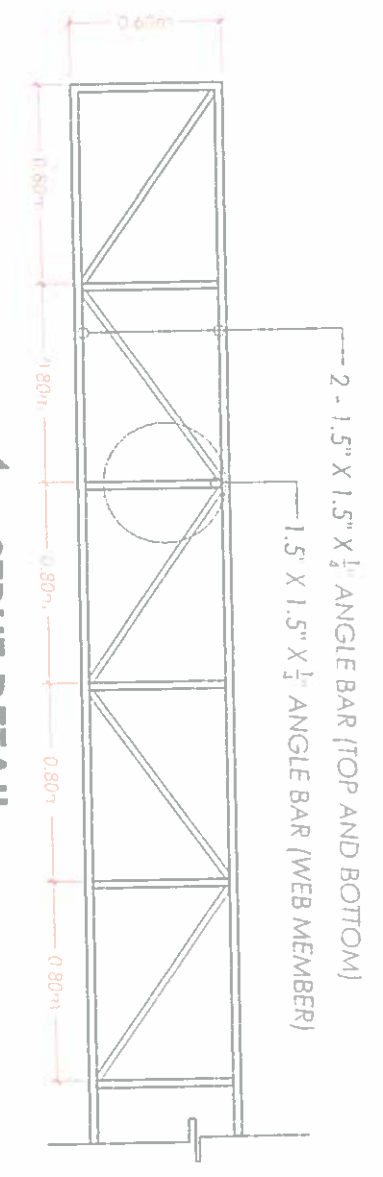
DATE OF APPROVAL
1.2.2023



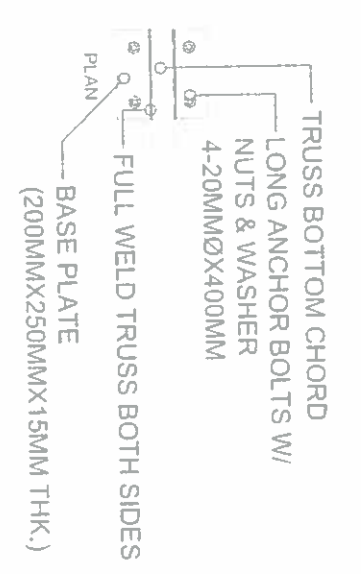
TRUSS DETAIL
SCALE: 1:50



RAMP DETAIL
SCALE: 1:30



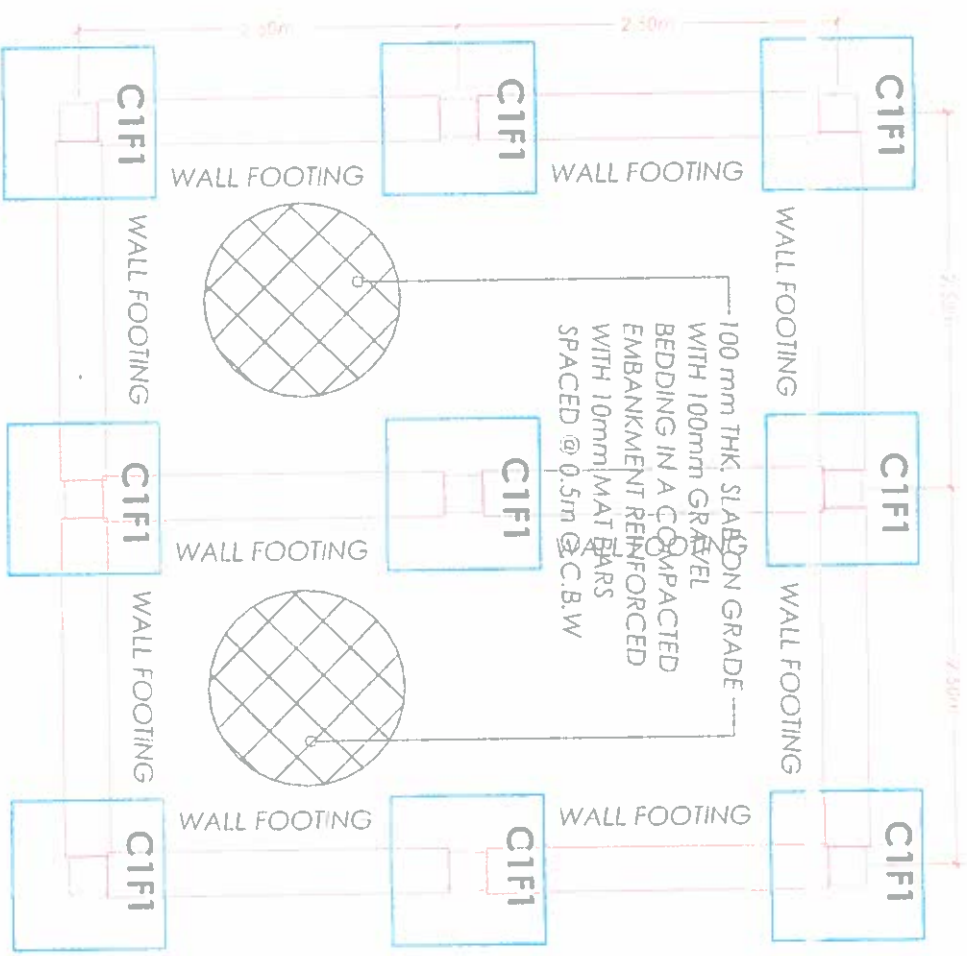
STRUT DETAIL
SCALE: 1:30



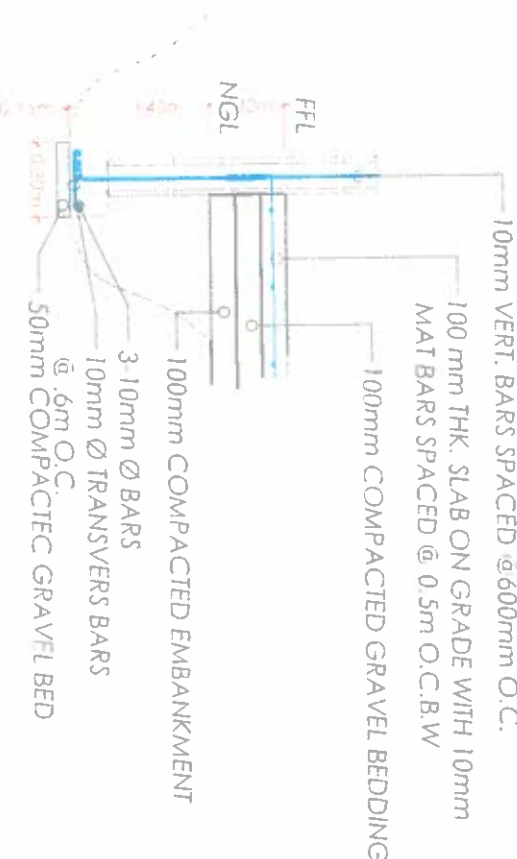
FACIA FRAME DETAIL
SCALE: 1:30

TRUSS-COLUMN/BEAM CONNECTION DETAIL
SCALE: NTS

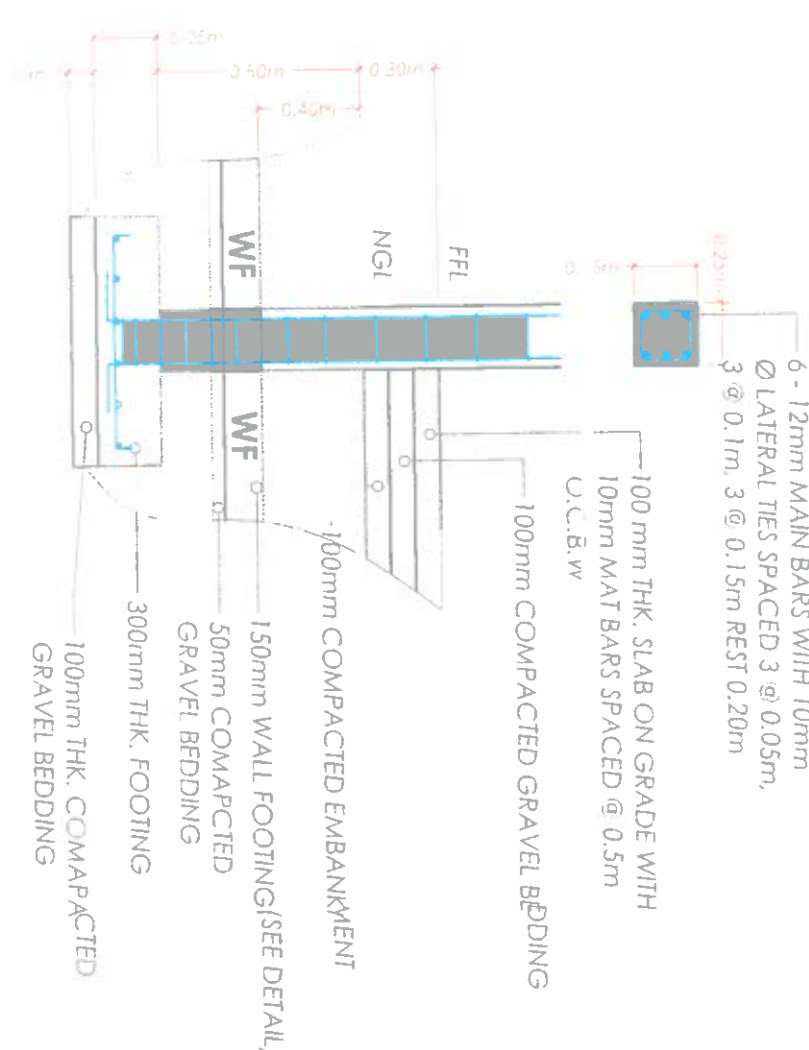
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| <p>REPRESENTING AGENCY REPUBLIC OF THE PHILIPPINES DEPARTMENT OF AGRICULTURE WESTERN VISAYAS PAROLA, ILOILO CITY</p> | <p>PROJECT/STAGE: SITUATION CONSTRUCTION OF SILAGE FACILITY REGION: VI</p> | <p>SHEET CONTENTS - TRUSS DETAILS - STRUTS DETAILS - FACIA FRAME DETAIL</p> | <p>PREPARED BY ENGR. DAVE BERNARD D. DILI DATE: 11-01-2024</p> | <p>CHECKED BY YVONNE GRACE B. ABLE DATE: 11-01-2024</p> | <p>REVIEWED BY MOSES D. MANAAY, ABLE, MEE DATE: 11-01-2024</p> | <p>RECOMMENDING AUTHORITY MARIA TERESA S. SOLIS DATE: 11-01-2024</p> | <p>APPROVED BY DATE: 11-01-2024</p> | <p>PROJECT NO. 05 08</p> |
|--|--|---|--|---|--|--|---|----------------------------------|



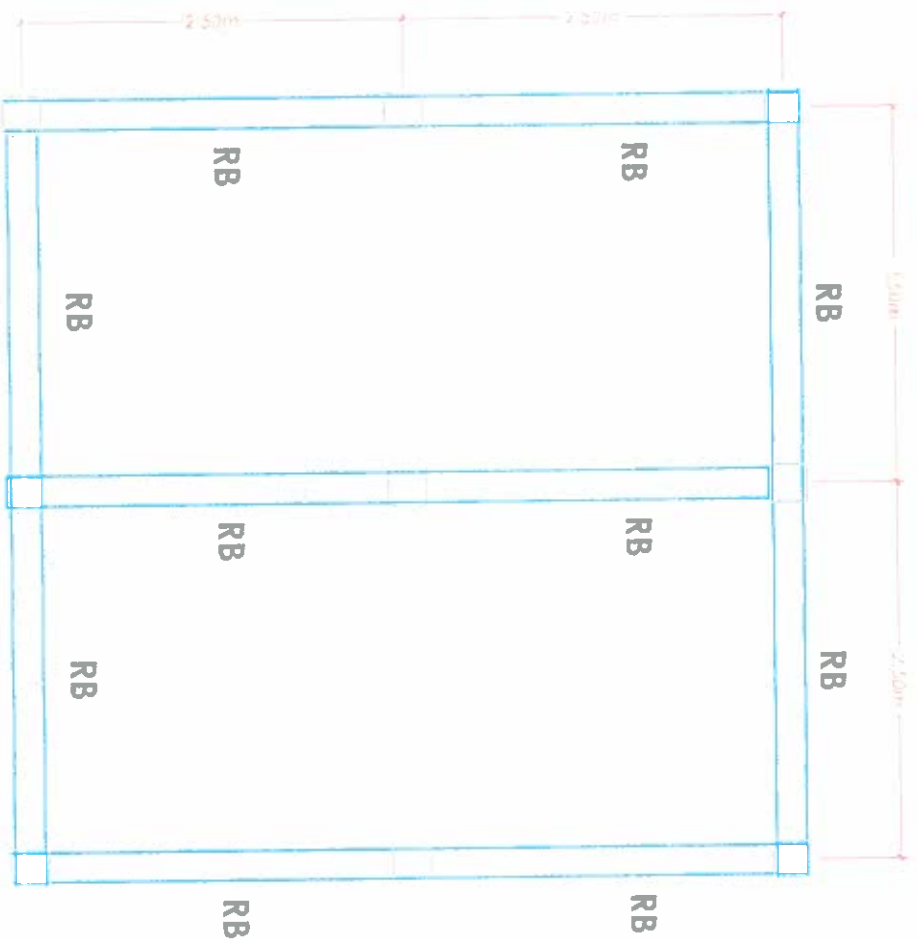
FOUNDATION PLAN
SCALE: 1:50



WALL FOOTING DETAIL
SCALE: 1:30



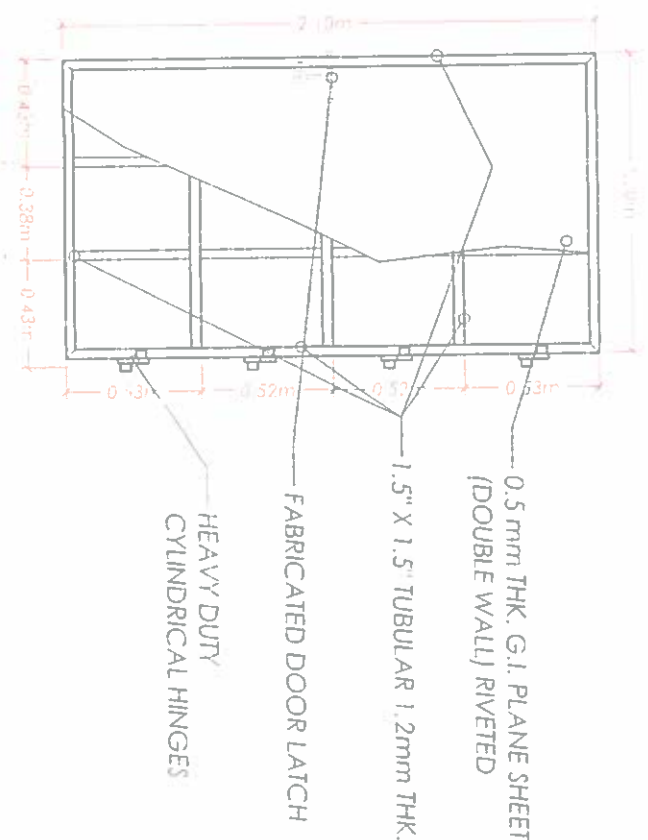
COLUMN FOOTING DETAIL (CF)
SCALE: 1:30



ROOF BEAM PLAN
SCALE: 1:50



SCHEDULE OF BEAMS
SCALE: NTS



DOOR DETAIL
SCALE: 1:50



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

PROJECT NAME & LOCATION
CONSTRUCTION OF SILAGE
FACILITY
REGION VI

SHEET CONTENTS
ROOF BEAM PLAN
SCHEDULE OF BEAMS
DOOR DETAIL

DESIGNED BY
ENGR. DAVE BERNARD D. DULI
10/11/2023

CHECKED BY
YVONNE R. SURABE
10/11/2023

REVIEWING APPROVAL
MOSES D. MANA-ABE, MEE
10/11/2023

APPROVED BY
MARIA TERESA T. SOLIS
10/11/2023

CONTRACTOR

DATE STARTED

CONTRACT COMPLETION DATE

CONTRACT COST

IMPLEMENTING OFFICE

SOURCE OF FUND

Name of Project

Location

REPUBLIC OF THE PHILIPPINES

DEPARTMENT OF AGRICULTURE

WESTERN VISAYAS

ILOILO CITY

DEPARTMENT OF AGRICULTURE FIELD OFFICE VI

- THE BILLBOARD DESIGN LAYOUT AND DIMENSION SHALL BE ON A STANDARD BILLBOARD MEASURING 1200 mm x 2400 mm (4FT x 8FT.) USING 12 mm (½ INCH) THICK MARINE PLYWOOD OR TARPULIN POSTED ON 5 mm (⅜ INCH) MARINE PLYWOOD.

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

PROJECT SIGNBOARD

SCALE: NTS

REPUBLIC OF THE PHILIPPINES

DEPARTMENT OF AGRICULTURE

WESTERN VISAYAS

ILOILO CITY

PROJECT LOCATION

FUND SOURCES

IMPLEMENTING AGENCY

DEVELOPMENT PARTNERS

CONTRACTOR SUPPLIER

BRIEF DESCRIPTION OF PROJECT

DEPARTMENT OF AGRICULTURE FIELD OFFICE VI

PROJECT DETAILS

PROJECT STATUS

PROJECT DATE

TARGET DATE OF COMPLETION

PERCENTAGE OF COMPLETION

AS OF DATE

COST INCURRED TO DATE

DATE COMPLETED

REMARKS

FOR PARTICULARS OR COMPLAINTS ABOUT THIS PROJECT, PLEASE CONTACT THE RESIDENTIAL OFFICE OR CLUSTER WITH HAS JURISDICTION ON THIS PROJECT

COA RESIDENTIAL OFFICE NO. CLUSTER

ADDRESS

CONTACT NO.

OR TEXT COA CITIZENS CHECK AT 0915.5391332

TARPULIN, WHITE, 8 FT x 8 FT
RESOLUTION: 70 DPI
FONT: HELVETICA
FONT SIZE: MAIN INFORMATION - 3"
SUB INFORMATION - 1"
FONT COLOR: BLACK

COA BILLBOARD

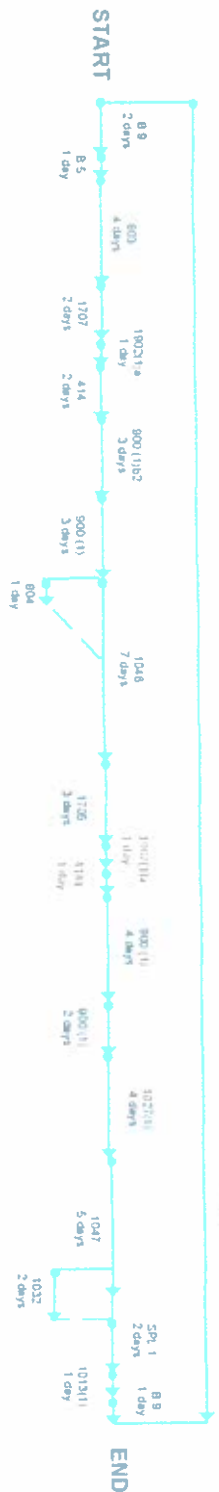
SCALE: NTS

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|--|--|---|---|-------------------------------------|--|---|--|--|--|
| <div>IMPLEMENTING AGENCY</div> <div>REPUBLIC OF THE PHILIPPINES</div> <div>DEPARTMENT OF AGRICULTURE</div> <div>WESTERN VISAYAS</div> <div>PAROLA, ILOILO CITY</div> | <div>PROJECT NAME & LOCATION</div> <div>CONSTRUCTION OF SILAGE FACILITY</div> <div>REGION VI</div> | <div>SHEET CONTENTS</div> <div>PROJECT SIGNBOARD</div> <div>COA BILLBOARD</div> <div>PROJECT MARKER</div> | <div>TIME/DATE</div> <div><div>ENGR. D. BERNARD D. DILI</div><div></div><div>10:00 AM to 4:00 PM (10/11/21)</div></div> | <div>DATE</div> <div>10/11/21</div> | <div>REVIEW/REMARKS</div> <div><div>WON MARACHT SUR, ABE</div><div></div><div>10:00 AM to 4:00 PM (10/11/21)</div></div> | <div>REVIEW/REMARKS</div> <div><div>NOISES D. MANAY, ABE, MEF</div><div></div><div>10:00 AM to 4:00 PM (10/11/21)</div></div> | <div>REVIEW/REMARKS</div> <div><div>MAHARISA SUTIS</div><div></div><div>10:00 AM to 4:00 PM (10/11/21)</div></div> | <div>REVIEW/REMARKS</div> <div><div>AND R. ARMA</div><div></div><div>10:00 AM to 4:00 PM (10/11/21)</div></div> | <div>SHEET NO</div> <div>PAGE NO</div> <div>08</div> <div>08</div> |
|--|--|---|---|-------------------------------------|--|---|--|--|--|



Project Name: CONSTRUCTION OF SILAGE FACILITY
Location: DA-NOROS Himamaylan, Sitio Biling, Barangay 3, Himamaylan City, Negros Occidental
Project Duration: 50 Calendar Days
Total Estimated Project Cost: Php. 500,000.00

CONSTRUCTION SCHEDULE AND S-CURVE



| Item No | Scope of Works | % Weight | Quantity | Unit | Adjusted Unit Cost | Total | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|----------|----------|------|--------------------|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| I. OTHER GENERAL REQUIREMENTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B.9 | MOBILIZATION/DEMOLITION | 0.84% | 1.00 | lot | 4211.20 | 4211.20 | | | | | | | | | | | | | | | | | | | | | | | |
| B.10 | PROJECT SIGNBOARD AND COA BILLBOARD | 1.79% | 1.00 | lot | 8925.96 | 8925.96 | | | | | | | | | | | | | | | | | | | | | | | |
| B.11 | OCCUPATIONAL SAFETY AND HEALTH PROGRAM | 3.22% | 1.00 | lot | 16354.80 | 16354.80 | | | | | | | | | | | | | | | | | | | | | | | |
| B.12 | STRUCTURE EXCAVATION | 1.85% | 12.52 | cum | 738.11 | 9233.72 | | | | | | | | | | | | | | | | | | | | | | | |
| B.13 | EMBANKMENT (COMPACTED) | 1.11% | 2.66 | cum | 2076.36 | 5528.30 | | | | | | | | | | | | | | | | | | | | | | | |
| B.14 | STRUCTURAL BACKFILL | 1.05% | 9.76 | cum | 556.31 | 5244.61 | | | | | | | | | | | | | | | | | | | | | | | |
| B.15 | LEVELING COURSE | 2.09% | 4.12 | cum | 2532.70 | 10425.23 | | | | | | | | | | | | | | | | | | | | | | | |
| B.16 | REINFORCING STEEL BAR (DEFORMED) | 14.53% | 812.48 | kg | 89.45 | 73674.71 | | | | | | | | | | | | | | | | | | | | | | | |
| B.17 | FORMWORKS | 4.34% | 68.54 | sqm | 316.87 | 21718.59 | | | | | | | | | | | | | | | | | | | | | | | |
| B.18 | STRUCTURAL CONCRETE CLASS A (Feeding Sub Pathwalk and Ramp) | 9.49% | 6.13 | cum | 7745.88 | 47488.99 | | | | | | | | | | | | | | | | | | | | | | | |
| B.19 | STRUCTURAL CONCRETE CLASS A (Columns & Beams) | 5.71% | 3.39 | cum | 8423.74 | 28535.43 | | | | | | | | | | | | | | | | | | | | | | | |
| B.20 | CHB (including Reinforcing Steel) | 0.56% | 44.59 | sqm | 960.43 | 42824.53 | | | | | | | | | | | | | | | | | | | | | | | |
| B.21 | CEMENT PLASTER (SMOOTH FINISH) | 3.99% | 73.18 | 0.20 | 272.36 | 19930.65 | | | | | | | | | | | | | | | | | | | | | | | |
| B.22 | STRUCTURAL STEEL ROOF FRAMING (TRUSS and C-PURLINS) | 27.64% | 1331.40 | kg | 103.81 | 138212.72 | | | | | | | | | | | | | | | | | | | | | | | |
| B.23 | CORRUGATED METAL ROOFING (including Texsew Face Board Face Frame Flashing and Ridgecap) | 7.20% | 64.74 | sqm | 560.79 | 36306.80 | | | | | | | | | | | | | | | | | | | | | | | |
| B.24 | WALL FRAMING AND STEEL MATTING STEEL DOORS AND HINGES WOOD PAIKS AND PVC DRAIN | 4.10% | 1.00 | lot | 21976.00 | 21976.00 | | | | | | | | | | | | | | | | | | | | | | | |
| B.25 | METAL PAINTING | 2.09% | 112.60 | sqm | 92.60 | 10426.76 | | | | | | | | | | | | | | | | | | | | | | | |
| B.26 | TOTAL | 100.00% | | | | 500,000.00 | | | | | | | | | | | | | | | | | | | | | | | |

NOTE
PERT/CPM network diagram was adjusted/corrected for holidays and Sundays.
Number of Working Days
Sundays and Holidays
Total Number of Calendar Days

Prepared by
ENGR. DAVID BERNARD D. DILI
Engineer I COS
(ABE License No. 0009221)

Checked by
WYOMBER ABEL B. ABE
Engineer I (ABE License No. 0005970)
Head EEDS

Reviewed/Submitted by
MOISES D. MANAY ABE MEE
Engineer I (ABE License No. 0006077)
Division Chief RAED

Recommending Approval
MARIA TERESA SOLIS
IP/D for Operator

Approved
JOHN R. ARPIA
Regional Executive Director