



**PHILIPPINE PORTS AUTHORITY  
PORT MANAGEMENT OFFICE OF AGUSAN**

Talisay, Nasipit Agusan del Norte  
VAT Reg. TIN: 000-352-232-154

**Request for Quotation (RFQ)**

Doc. Ref. Code: ADM-AGS-022

|                         |                              |
|-------------------------|------------------------------|
| AGS-RFQ NO.:            | NAS-5803-26                  |
| DEADLINE OF SUBMISSION: | August 5, 2026 at 9:00 AM    |
| PLACE OF SUBMISSION :   | PPA PMO-Agusan, Nasipit Port |
| MODE OF PROCUREMENT:    | Small Value Procurement      |

July 28, 2026

**Dear Sir/Madam:**

Please quote your price for the item/s specified below, taking into consideration the following conditions:

1. Bidders shall provide **correct and accurate information** required in this form. All entries must be legibly handwritten, typewritten or in print and properly accomplished. Do not leave blank entries, put N/A for not applicable.
2. Price Quotations (Philippine Peso) shall not be considered unless **properly signed** by the Contractor or his/her duly authorized representative.
3. Any interlineations, erasure, or overwriting shall be valid only if they are **signed or initialed** by the contractor or any of his/her duly authorized representative/s.
4. Price quotation/s to be denominated in Philippine Peso shall include **all applicable** taxes, duties, and/ or levies payable.
5. Price validity shall be for a period of **thirty (30) calendar days** from the deadline of submission.
6. Quotations exceeding the Approved Budget for Contract shall be noted "Failed" and **rejected**.
7. Evaluation of bids will be conducted on a "**per lot**" basis.
8. In case of two or more bidders are determined to have submitted the Lowest Calculated Quotation/Lowest Calculated and Responsive Quotation, employ "**draw lots**" as the tie-breaking method to finally determine the single winning provider in accordance with GPPB Circular 06-2005. (not applicable for Direct Acquisition)
9. The Procuring Entity may cancel or terminate the contract at any time in accordance with the grounds provided under the Implementing Rules and Regulations of Republic Act 12009.
10. Late bids shall no longer be accepted.
11. Refusal to accept an award without valid and justifiable reason, maybe ground for imposition of appropriate sanctions under Sec. 69 of the IRR of RA 12009.
12. Failure of the supplier to deliver goods and render services under the contract within the specified delivery schedule shall be liable for damages for the delay pursuant to Sec. 71.1.4 of the IRR of RA 12009.
13. PPA PMO- Agusan reserves the right to reject any or all offers as may be considered most advantageous to the office.
14. The Price Quotation shall be in the BAC prescribed form and be submitted in a sealed envelope to the Bids and Awards Committee (BAC) of PMO-Agusan at the address above, not later than the time and date specified hereof at which place, time and date the bid shall be opened.
15. This RFQ must be duly filled out and supported with the following documentary requirements:
  - a. Submission of a Valid Mayor's/Business Permit.
  - b. Submission of PhilGEPS Registration Number.
  - c. Submission of PCAB License for construction projects.
  - d. Submission of Income/ Business Tax Return for PHP 500,000.00 above Approved Budget for the Contract.
  - e. For transactions amounting to PHP 50,000.00 and above, a Notarized Omnibus Sworn Statement is required and, if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder. The template can be accessed through this link:

[https://www.gppb.gov.ph/wp-content/uploads/2025/08/NGPA\\_Omnibus-Sworn-Statement.pdf](https://www.gppb.gov.ph/wp-content/uploads/2025/08/NGPA_Omnibus-Sworn-Statement.pdf)

16. Delivery period: 90 days (Monday - Friday) Delivery Location: PPA PMO Agusan - Nasipit Port

17. Schedule and opening of bids:

Date/Time: August 5, 2026 at 02:00 PM

Venue: PPA PMO Agusan - Nasipit Port

POB Conference Room

18. Payment shall be within 30 working days after the receipt of sales/service invoice.

19. For any clarification, you may contact **Ms. Sheeryl B. Pedeglorio**, BAC Secretariat Head, at +639175928466.

**LEMUEL IAN T. MORALDA**  
BAC Chairperson



PHILIPPINE  
PORTS  
AUTHORITY



I have read and understood the Procurement Terms & Conditions. By signing this quote, I hereby agree and bind myself to the Terms & Conditions indicated in this RFQ.

| (MPF-AGS-09-26) Maintenance of Reefer Van Outlet System at Nasipit Port |                                                                                              |     |     |                                                 |                                                  | PLEASE QUOTE HERE: |             |
|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----|-----|-------------------------------------------------|--------------------------------------------------|--------------------|-------------|
| ITEM NO.                                                                | ITEM AND DESCRIPTION                                                                         | UNT | QTY | ESTIMATED UNIT APPROVED BUDGET FOR THE CONTRACT | ESTIMATED TOTAL APPROVED BUDGET FOR THE CONTRACT | UNIT PRICE         | TOTAL PRICE |
| 1                                                                       | Supply of Labor and Materials/Equipment for the Maintenance of Reefer Van Outlet System Shed | LOT | 1   | 366,179.58                                      | 366,179.58                                       |                    |             |
| 2                                                                       | Supply of Labor and Material/Equipment for the Maintenance of Reefer Van Outlet              | LOT | 1   | 630,681.42                                      | 630,681.42                                       |                    |             |
|                                                                         |                                                                                              |     |     | TOTAL ABC:                                      | 996,861.00                                       | TOTAL BID PRICE:   |             |

After having carefully read and accepted your General Conditions, I/We quote you on the Item at prices noted above.

Name of the Company: \_\_\_\_\_

Address: \_\_\_\_\_

Tel. No./Email Add.: \_\_\_\_\_

Date: \_\_\_\_\_

Signature over Printed \_\_\_\_\_

Name of Representative: \_\_\_\_\_



Annex A

| (MPF-AGS-09-26) Maintenance of Reefer Van Outlet System at Nasipit Port |                                                                                              |      |     |                                                 |                                                  | PLEASE QUOTE HERE: |             |
|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------|-----|-------------------------------------------------|--------------------------------------------------|--------------------|-------------|
| ITEM NO.                                                                | ITEM AND DESCRIPTION                                                                         | UNT  | QTY | ESTIMATED UNIT APPROVED BUDGET FOR THE CONTRACT | ESTIMATED TOTAL APPROVED BUDGET FOR THE CONTRACT | UNIT PRICE         | TOTAL PRICE |
| 1                                                                       | Supply of Labor and Materials/Equipment for the Maintenance of Reefer Van Outlet System Shed | LOT  | 1   | 366,179.58                                      | 366,179.58                                       |                    |             |
|                                                                         | Repair and repainting of Roofing                                                             | lot  | 1   |                                                 |                                                  |                    |             |
|                                                                         | Supply and delivery of materials for Steel Enclosure                                         | In-m | 47  |                                                 |                                                  |                    |             |
| 2                                                                       | Supply of Labor and Material/Equipment for the Maintenance of Reefer Van Outlet              | LOT  | 1   | 630,681.42                                      | 630,681.42                                       |                    |             |
|                                                                         | Maintenance of power supply line with conduit and raceway.                                   | lot  | 1   |                                                 |                                                  |                    |             |
|                                                                         | Maintenance electrical 32A outlet, FM 16s Kilowatt Meter base, and accessories               | sets | 12  |                                                 |                                                  |                    |             |
|                                                                         |                                                                                              |      |     | TOTAL ABC:                                      | 996,861.00                                       | TOTAL BID PRICE:   |             |

# TECHNICAL SPECIFICATIONS

## TERMS OF REFERENCE

### FOR THE MAINTENANCE OF REEFER VAN OUTLET SYSTEM AT NASIPIT PORT (MPF-AGS-09-2026) BRGY. TALISAY, NASIPIT, AGUSAN DEL NORTE

#### A. DESCRIPTION

The project is intended for the Maintenance of the 12 units reefer van outlet, wirings, panel boards, metering devices, electrical duct, covered shed, and steel enclosure at Port of Nasipit. This is to address increase in utilization due to increase in volume of refrigerated cargo handled at the Port of Nasipit. Maintenance is required to ensure dependable power supply for refrigerated cargo, prevent electrical breakdowns and safety hazards, and sustain efficient cargo-handling operations at Nasipit Port.

#### B. SCOPE OF WORKS

1. The contractor shall undertake the project in accordance with the accepted industry standards and procedures.
2. Conduct ocular inspection and actual measurement at the site.
3. Supply of *materials, labor, and tools/equipment* for the following scope of works:

| DESCRIPTION OF WORK                                                                   | UNIT | QUANTITY |
|---------------------------------------------------------------------------------------|------|----------|
| 1. Maintenance of Reefer Van Outlet System (see attached detailed drawing plans),     | Lot  | 1        |
| 2. Maintenance of Reefer Van Outlet System Shed (see attached detailed drawing plans) | Lot  | 1        |

4. Supply of the following needed manpower:

- a. Electrician
- b. Welder
- b. Mason
- c. Painter
- d. Laborers

5. Supply of the following tools/equipment:

- a. 1 unit Electric Grinder
- b. 1 unit Electric Drill
- c. 1 unit Jackhammer
- d. 1 unit Welding Machine
- e. Scaffolding/H Frame

6. Perform other reasonable tasks, including consultation with the ESD Technical Team, that relate to the foregoing repair, which the Authority or its authorized representative may direct.

### C. TIMETABLE

The contractor shall commence the activities effective upon date of receipt of the *Notice to Proceed*. **The Maintenance of Reefer Van Outlet System at Nasipit Port** must be completed within **Ninety (90) calendar days** from the commencement of the activities.

### D. FIRM AND STAFF REQUIREMENTS

The contractor shall be responsible for ensuring the timely completion of the project and shall have personnel complementation of adequate technical background, experience, and capability.

The contractor shall provide the minimum appropriate personal protective equipment (PPE) such as hard hat, vest, and safety belt for their staff and crew.

### E. SCHEDULE OF PAYMENTS

All payments shall be processed only upon completion and issuance of the Certificate of Completion and Final Inspection Report, subjected to accounting and auditing rules and regulations.

### F. BUDGET

The Approved Budget of the Contract for the project for the **Maintenance of Reefer Van Outlet System at Nasipit Port**, Brgy. Talisay, Nasipit, Agusan del Norte is **Nine Hundred Ninety-Six Thousand and Eight Hundred Sixty-One Pesos only (Php 996,861.00)**.

### G. MODE OF PROCUREMENT/QUALIFICATION OF BIDDERS

The contract for the **Maintenance of Reefer Van Outlet System at Nasipit Port** shall be procured through Alternative Mode of Procurement (Small Value Procurement), in accordance with **Section 34.1 of the Implementing Rules and Regulation (IRR) of RA 12009**.

Interested bidders must submit their proposals at the address provided. Prospective bidders will be evaluated based on a non-discretionary "pass/fail" criterion, and shall submit the updated/renewed printed copies of the following documents as part of the technical/financial proposal/envelope:

|                                                                             |                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• <b>Technical Proposal</b></li></ul> | <ul style="list-style-type: none"><li>• <b>Valid Mayor's Permit / Business Permit</b></li><li>• <b>PhilGEPS Registration Member</b></li><li>• <b>PCAB License, General Building /SP-EE-Category D</b></li><li>• <b>Income/Business Tax Return</b></li><li>• <b>Omnibus Sworn Statement</b></li></ul> |
| <ul style="list-style-type: none"><li>• <b>Financial Proposal</b></li></ul> | <ul style="list-style-type: none"><li>• <b>Duly accomplished, Request for Quotation</b></li></ul>                                                                                                                                                                                                    |

## H. PERFORMANCE SECURITY

To guarantee the faithful performance by the winning Bidder of its obligations under the contract, it shall post a performance security within a maximum period of ten (10) calendar days from the receipt of the Notice of Award from the Procuring Entity and in no case later than the signing of the contract.

Under **Section 68.4, IRR of RA 12009**, the Performance Security shall be denominated in Philippine Pesos and posted in favor of the Procuring Entity in an amount not less than the percentage of the total contract price in accordance with the following schedule:

| Form of Performance Security                                                                                                                                                                                                                                        | Amount of Performance Security<br>(Not less than the required<br>percentage of the Total Contract) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| (a) Cash or cashier's/manager's check issued by a Universal or Commercial Bank.<br><br><i>For biddings conducted by the LGUs, the Cashier's/Manager's Check may be issued by other banks certified by the BSP as authorized to issue such financial instrument.</i> | Goods and Consulting Services-<br>Five (5%)                                                        |
| (b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank.                                   | Infrastructure Projects-Ten percent<br>(10%)                                                       |
| (c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.                                                                                                       | Thirty percent (30%)                                                                               |

(To protect/safeguard the interest of the government/Philippine Ports Authority, bond requirements from entities transacting with the Authority shall only be procured from PPA accredited surety companies.)

## **I. WARRANTY SECURITY**

In order to assure that defects for the **Maintenance of Reefer Van Outlet System at Nasipit Port** shall be corrected by the contractor, a warranty security shall be required from the contract awardee for a minimum period of one (1) year after acceptance by the Procuring Entity in accordance with **Section 90.2, Implementing Rules and Regulations of RA 12009.**

Prepared / Submitted by:

Recommending Approval:

(Original Signed)  
**AMALIA M. DUMANON**  
Acting Principal Engineer A

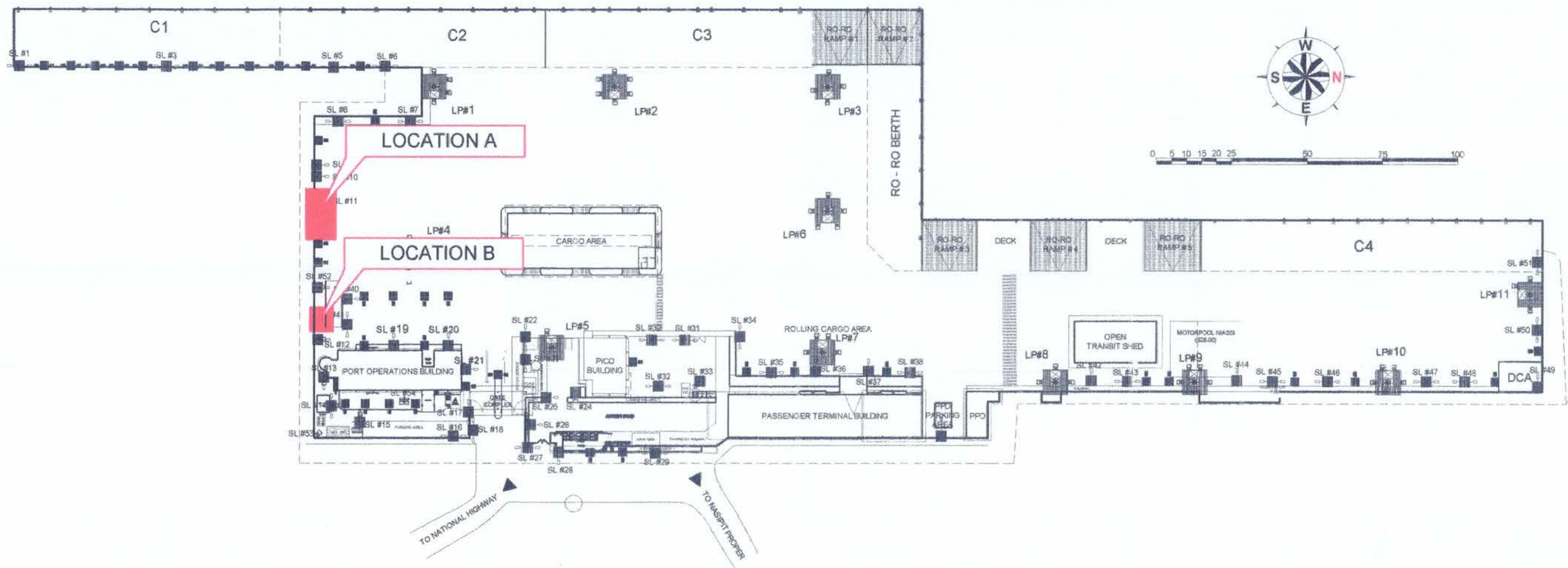
(Original Signed)  
**LEXTER-LOU V. SEVILLA**  
Division Manager A, ESD

Approved:

(Original Signed)  
**KAHLIL L. LAMIGO**  
Acting Port Manager

## SCOPE OF WORKS:

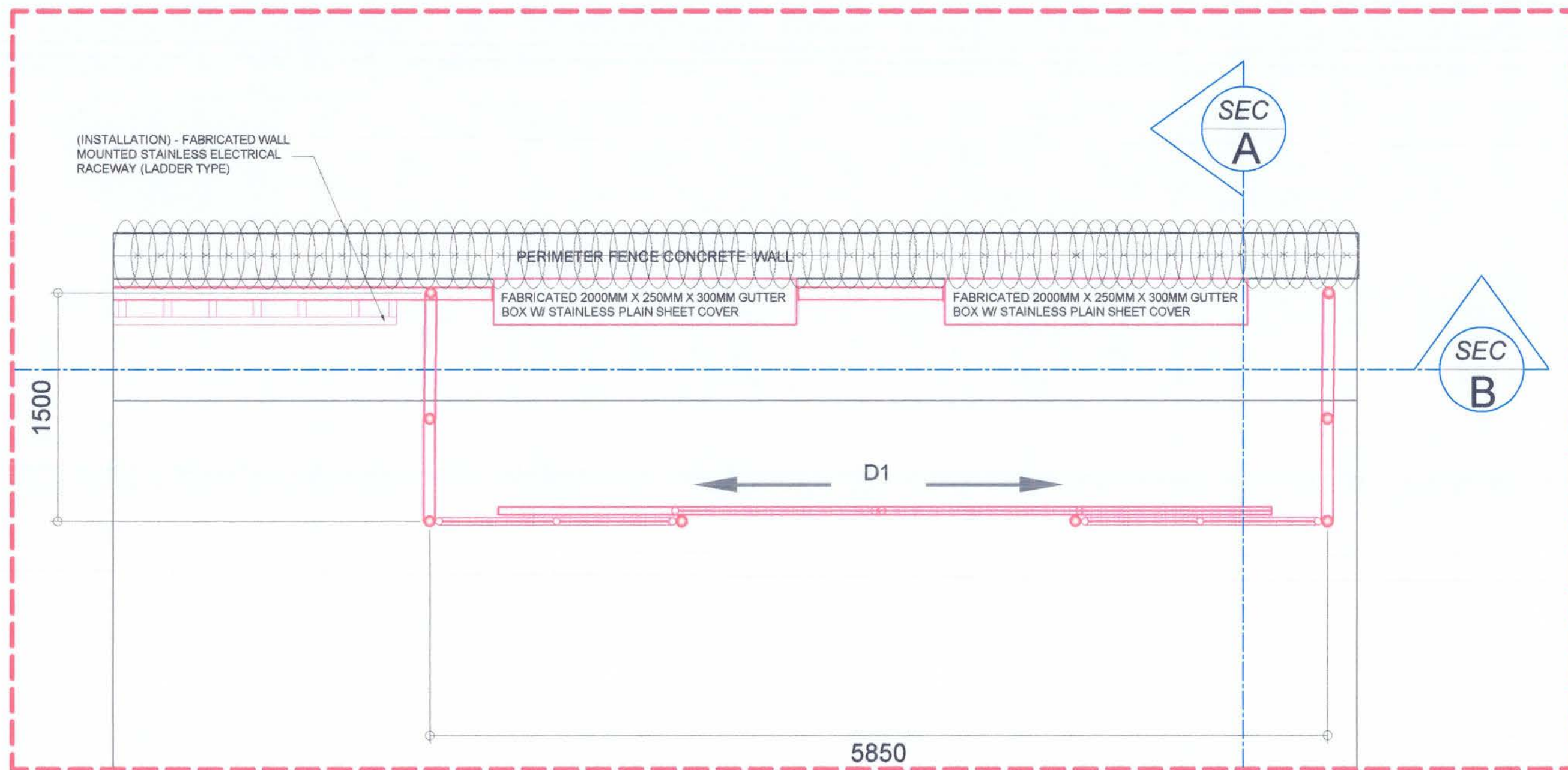
1. MAINTENANCE OF REEFER VAN OUTLET
  - 1.01 Maintenance of power supply line with conduit and raceway.
  - 1.02 Maintenance 32A outlet, FM 16s Kilowatt Meter Base, and Accessories.
2. MAINTENANCE OF REEFER VAN OUTLET SHED
  - 2.01 Repair and repainting of roofing
  - 2.02 Supply and delivery of materials for steel Enclosure.



## DEVELOPMENT PLAN

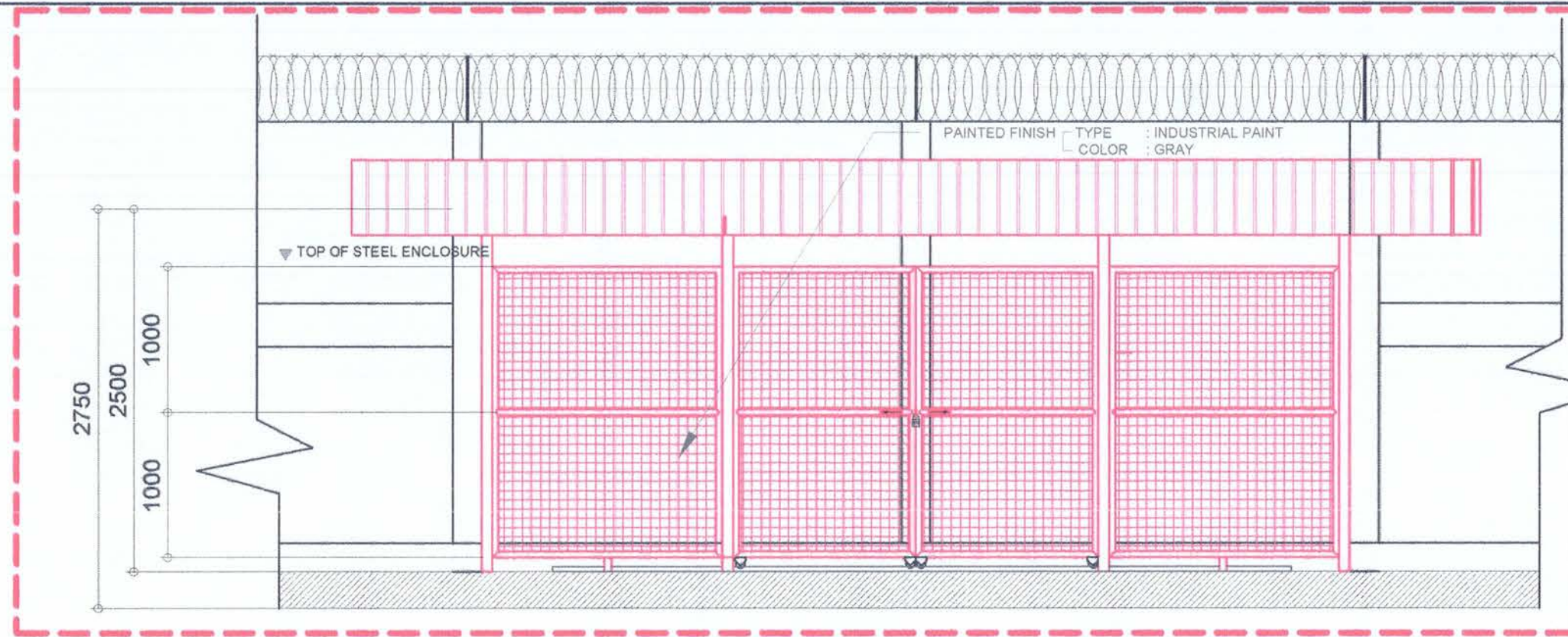
SCALE 1:1600

|                                                                                    |                                                                                                                                                             |                                                                                       |                                                                                               |                                                                                                         |                                                                                                                   |                                                                                                      |                                                                                                                                                    |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Project / Location:</b><br><br><b>MAINTENNANCE OF REEFER VAN OUTLET SYSTEM</b><br><b>BASEPORT OF NASIPIT</b><br>Brgy. Talisay, Nasipit, Agusan del Norte | <b>Prepared by:</b><br><br>(ORIGINAL SIGNED)<br><b>REYNAN P. PENASO</b><br>ENGINEER I | <b>Checked by:</b><br><br>(ORIGINAL SIGNED)<br><b>MA. GEMMA MAE A. AGUILAR</b><br>ARCHITECT I | <b>Reviewed by:</b><br><br>(ORIGINAL SIGNED)<br><b>AMALIA M. DUMANON</b><br>ACTING PRINCIPAL ENGINEER A | <b>Recommending Approval:</b><br><br>(ORIGINAL SIGNED)<br><b>LEXTER-LOU V. SEVILLA</b><br>DIVISION MANAGER A, ESD | <b>Approved by:</b><br><br>(ORIGINAL SIGNED)<br><b>ATTY. KAHLIL L. LAMIGO</b><br>ACTING PORT MANAGER | <b>Sheet Contents:</b><br>• LEGEND<br>• SCOPE OF WORKS<br>• DEVELOPMENT PLAN<br><br><b>Sheet No.</b><br><b>A-1</b><br><b>01 08</b><br>JANUARY 2025 |
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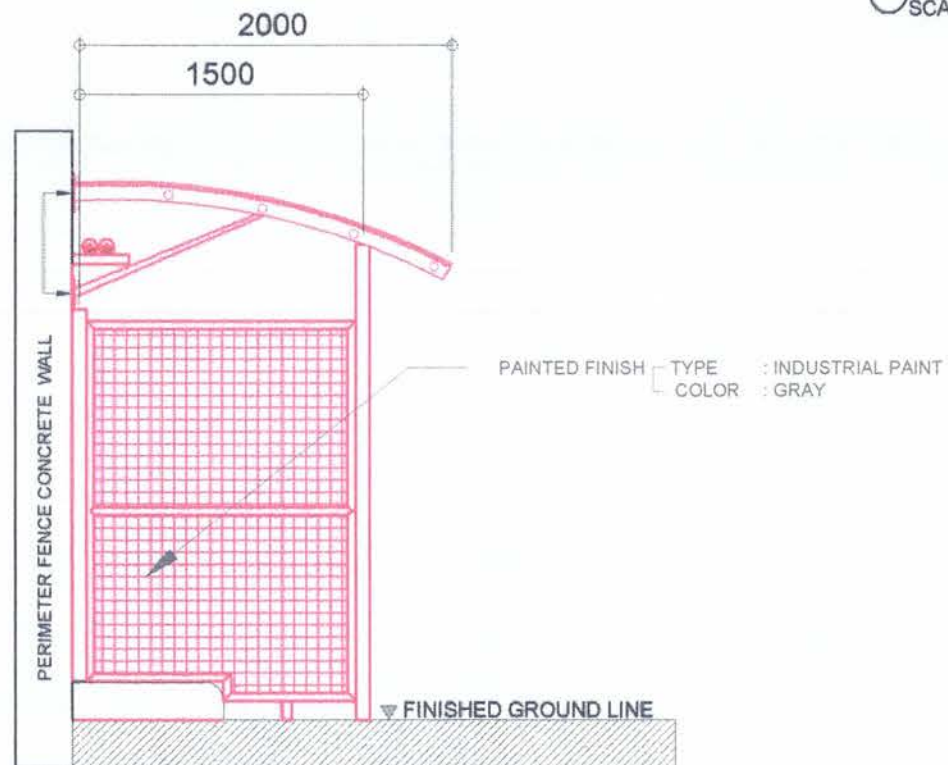


**FLOOR PLAN (LOCATION A)**  
SCALE 1:40 MMTS

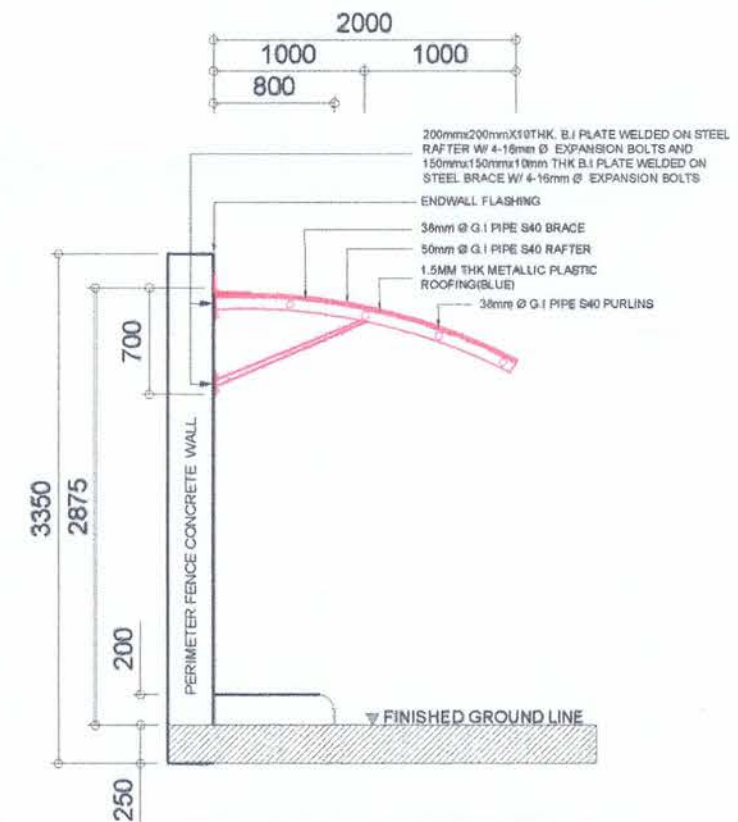
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|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------|
|  | <b>Project / Location:</b><br><br><b>MAINTENNANCE OF REEFER VAN OUTLET SYSTEM</b><br><b>BASEPORT OF NASIPIT</b><br>Brgy. Talisay, Nasipit, Agusan del Norte | <b>Prepared by:</b><br><br>(ORIGINAL SIGNED)<br><b>REYNAN P. PENASO</b><br>ENGINEER I | <b>Checked by:</b><br><br>(ORIGINAL SIGNED)<br><b>MA. GEMMA MAE A. AGUILAR</b><br>ARCHITECT I | <b>Reviewed by:</b><br><br>(ORIGINAL SIGNED)<br><b>AMALIA M. DUMANON</b><br>ACTING PRINCIPAL ENGINEER A | <b>Recommending Approval:</b><br><br>(ORIGINAL SIGNED)<br><b>LEXTER-LOU V. SEVILLA</b><br>DIVISION MANAGER A, ESD | <b>Approved by:</b><br><br>(ORIGINAL SIGNED)<br><b>ATTY. KAHLIL L. LAMIGO</b><br>ACTING PORT MANAGER | <b>Sheet Contents:</b><br>• FLOOR PLAN | <b>Sheet No.</b><br><b>A-2</b><br>02 08<br>JANUARY 2025 |
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**FRONT ELEVATION**  
SCALE 1:50 MMTS



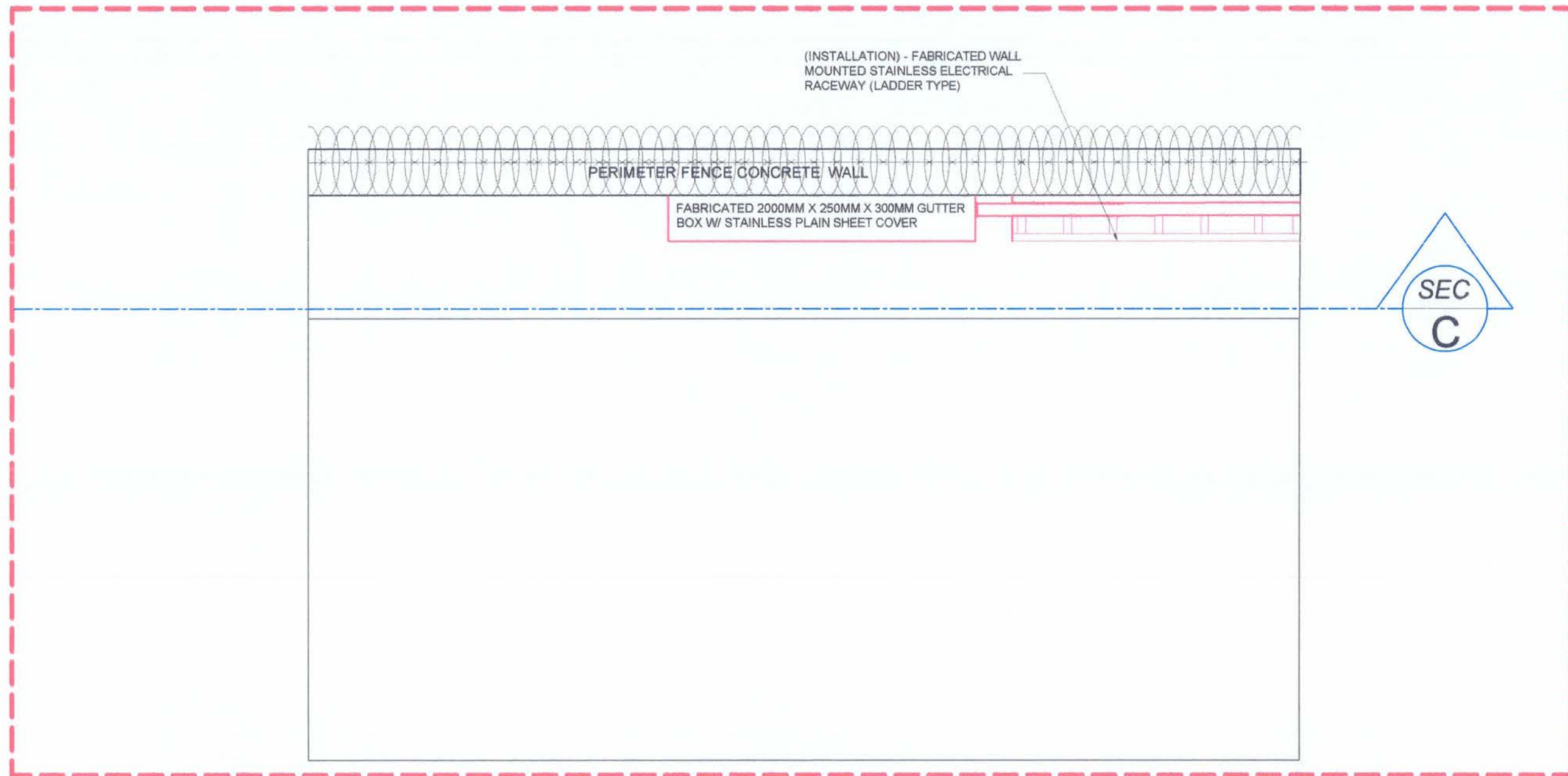
**LEFT SIDE ELEVATION**  
SCALE 1:40 MMTS



**SECTION THRU "A"**  
SCALE 1:50 MMTS

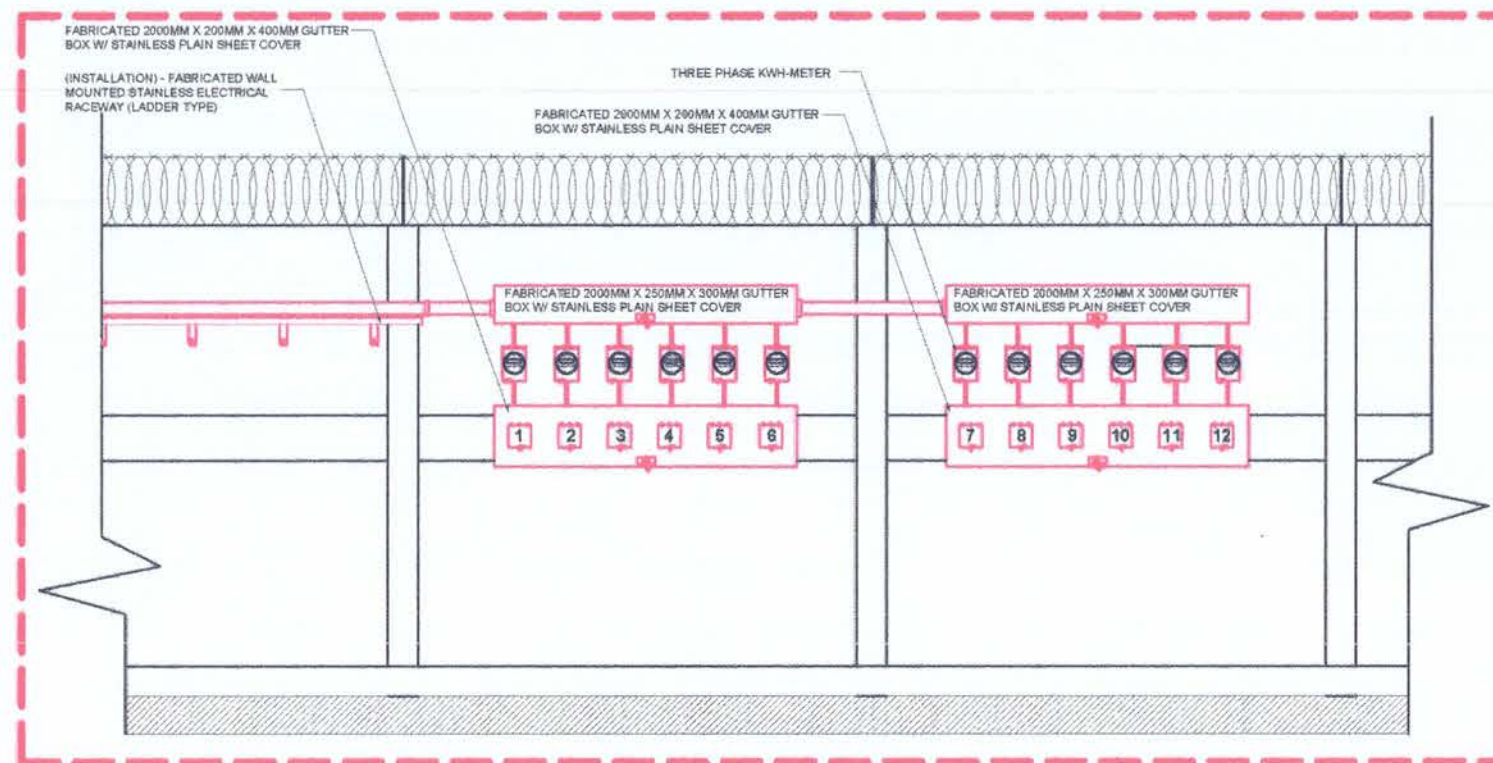


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|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Project / Location:                                                                                                    | Prepared by:                                               | Checked by:                                                         | Reviewed by:                                                                 | Recommending Approval:                                                       | Approved by:                                                              | Sheet Contents:                                                                                                       | Sheet No.                                   |
| <b>MAINTENNANCE OF<br/>REEFER VAN OUTLET SYSTEM</b><br>BASEPORT OF NASIPIT<br>Brgy. Talisay, Nasipit, Agusan del Norte | (ORIGINAL SIGNED)<br><b>REYNAN P. PENASO</b><br>ENGINEER I | (ORIGINAL SIGNED)<br><b>MA. GEMMA MAE A. AGUILAR</b><br>ARCHITECT I | (ORIGINAL SIGNED)<br><b>AMALIA M. DUMANON</b><br>ACTING PRINCIPAL ENGINEER A | (ORIGINAL SIGNED)<br><b>LEXTER-LOU V. SEVILLA</b><br>DIVISION MANAGER A, ESD | (ORIGINAL SIGNED)<br><b>ATTY. KAHLIL L. LAMIGO</b><br>ACTING PORT MANAGER | <ul style="list-style-type: none"> <li>• FRONT ELEVATION</li> <li>• LEFT SIDE ELEVATION</li> <li>• SECTION</li> </ul> | <b>A-3</b><br><div>03 08</div> JANUARY 2025 |

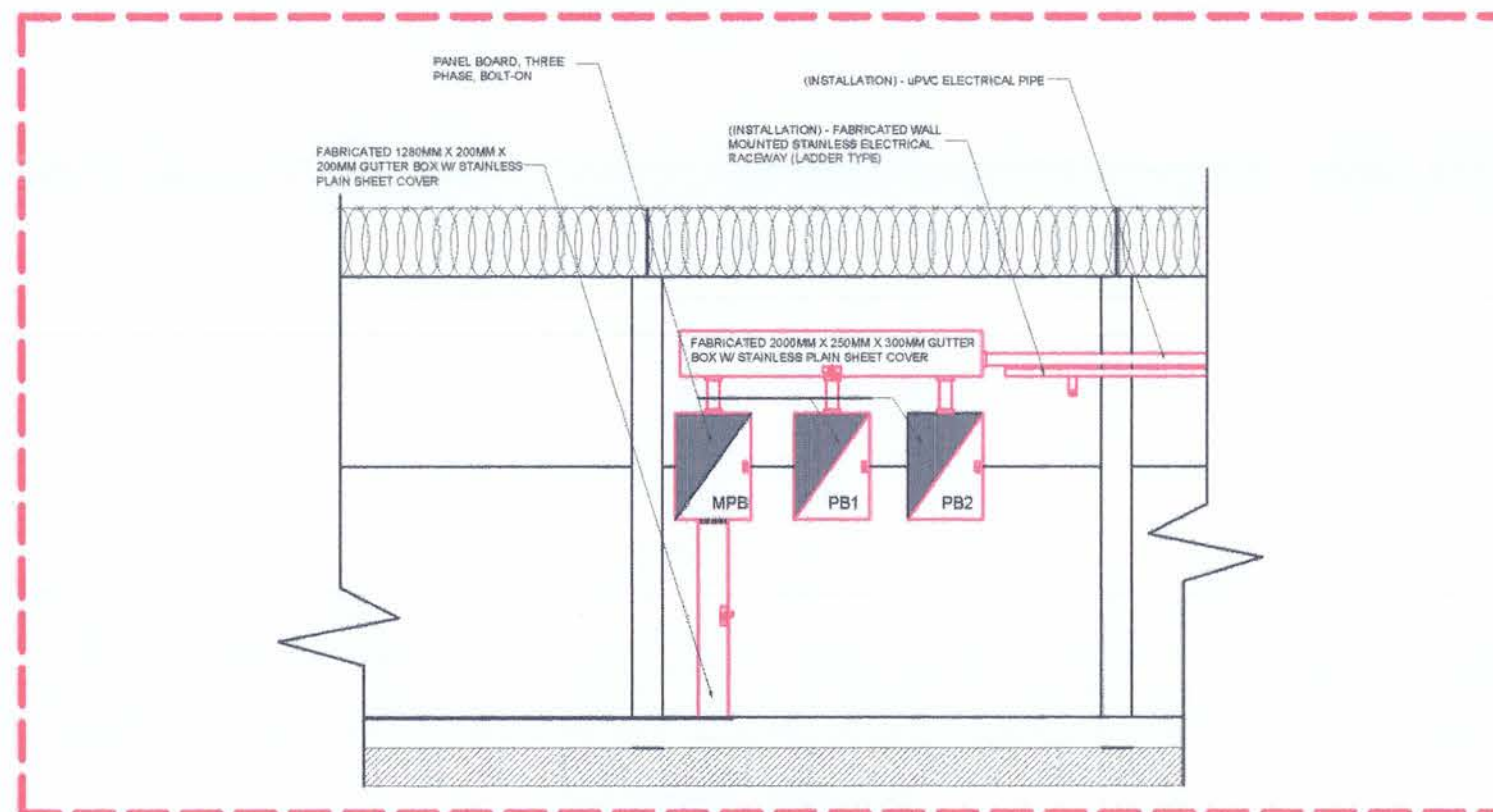


**FLOOR PLAN (LOCATION B)**  
 SCALE 1:40 MMTS

|  |                                                 |                                              |                                                      |                                               |                                                   |                                                    |                 |              |
|--|-------------------------------------------------|----------------------------------------------|------------------------------------------------------|-----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----------------|--------------|
|  | Project / Location:                             | Prepared by:                                 | Checked by:                                          | Reviewed by:                                  | Recommending Approval:                            | Approved by:                                       | Sheet Contents: | Sheet No.    |
|  | <b>MAINTENNANCE OF REEFER VAN OUTLET SYSTEM</b> | (ORIGINAL SIGNED)<br><b>REYNAN P. PENASO</b> | (ORIGINAL SIGNED)<br><b>MA. GEMMA MAE A. AGUILAR</b> | (ORIGINAL SIGNED)<br><b>AMALIA M. DUMANON</b> | (ORIGINAL SIGNED)<br><b>LEXTER-LOU V. SEVILLA</b> | (ORIGINAL SIGNED)<br><b>ATTY. KAHLIL L. LAMIGO</b> | • FLOOR PLAN    | <b>A-4</b>   |
|  | <b>BASEPORT OF NASIPIT</b>                      | ENGINEER I                                   | ARCHITECT I                                          | ACTING PRINCIPAL ENGINEER A                   | DIVISION MANAGER A, ESD                           | ACTING PORT MANAGER                                |                 | <b>04 08</b> |
|  | Brgy. Talisay, Nasipit, Agusan del Norte        |                                              |                                                      |                                               |                                                   |                                                    |                 | JANUARY 2025 |



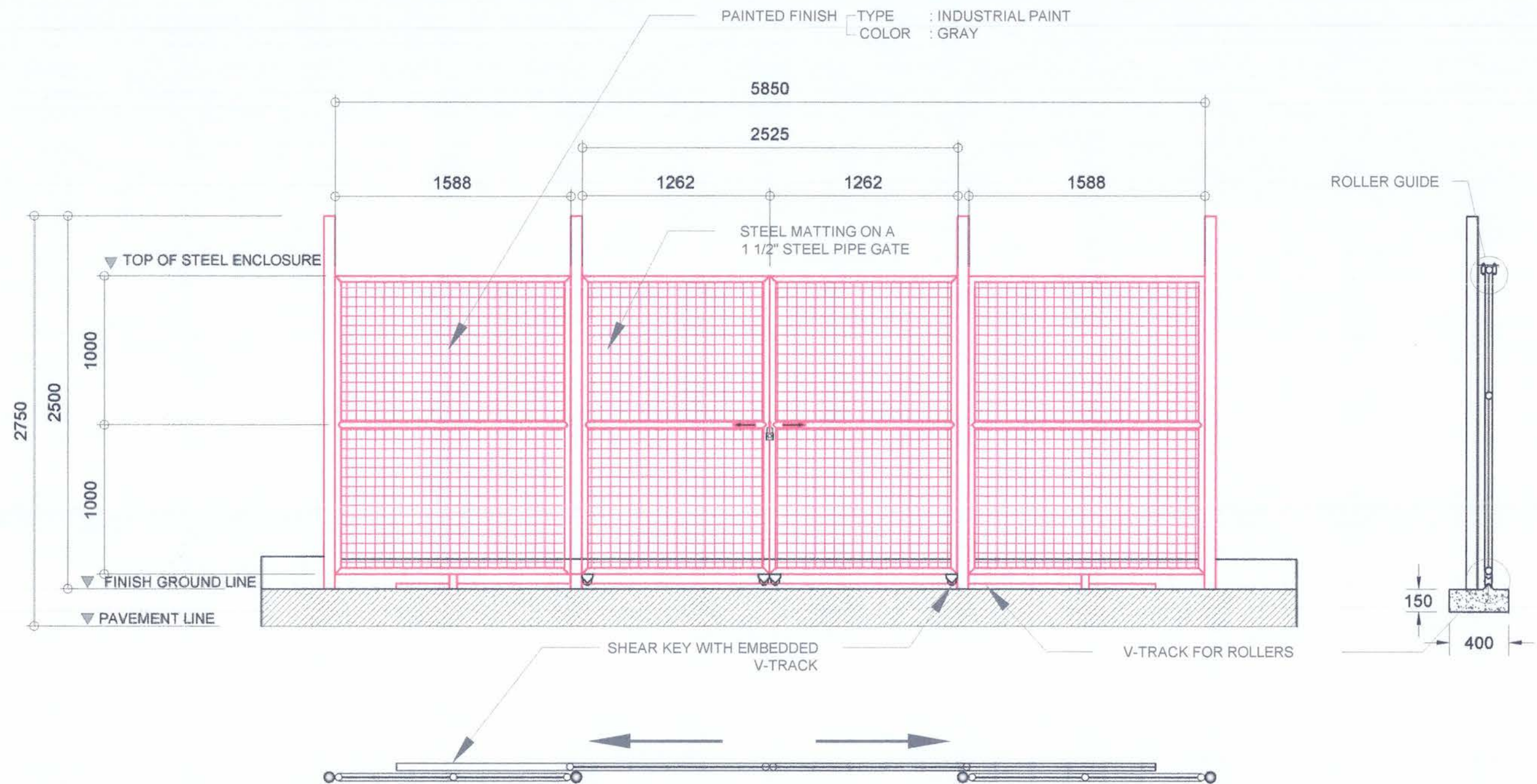
**SECTION THRU "B"**  
SCALE 1:50 MMTS



**SECTION THRU "C"**  
SCALE 1:50 MMTS



|                                                                            |                                                            |                                                                     |                                                                              |                                                                              |                                                                           |                 |                              |
|----------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------|------------------------------|
| Project / Location:                                                        | Prepared by:                                               | Checked by:                                                         | Reviewed by:                                                                 | Recommending Approval:                                                       | Approved by:                                                              | Sheet Contents: | Sheet No.                    |
| <b>MAINTENNANCE OF<br/>REEFER VAN OUTLET SYSTEM</b><br>BASEPORT OF NASIPIT | (ORIGINAL SIGNED)<br><b>REYNAN P. PENASO</b><br>ENGINEER I | (ORIGINAL SIGNED)<br><b>MA. GEMMA MAE A. AGUILAR</b><br>ARCHITECT I | (ORIGINAL SIGNED)<br><b>AMALIA M. DUMANON</b><br>ACTING PRINCIPAL ENGINEER A | (ORIGINAL SIGNED)<br><b>LEXTER-LOU V. SEVILLA</b><br>DIVISION MANAGER A, ESD | (ORIGINAL SIGNED)<br><b>ATTY. KAHLIL L. LAMIGO</b><br>ACTING PORT MANAGER | • SECTIONS      | <b>A-5</b>                   |
| Brgy. Talisay, Nasipit, Agusan del Norte                                   |                                                            |                                                                     |                                                                              |                                                                              |                                                                           |                 | <b>05 08</b><br>JANUARY 2025 |



**DOOR DETAIL**  
SCALE 1:30 MMTS

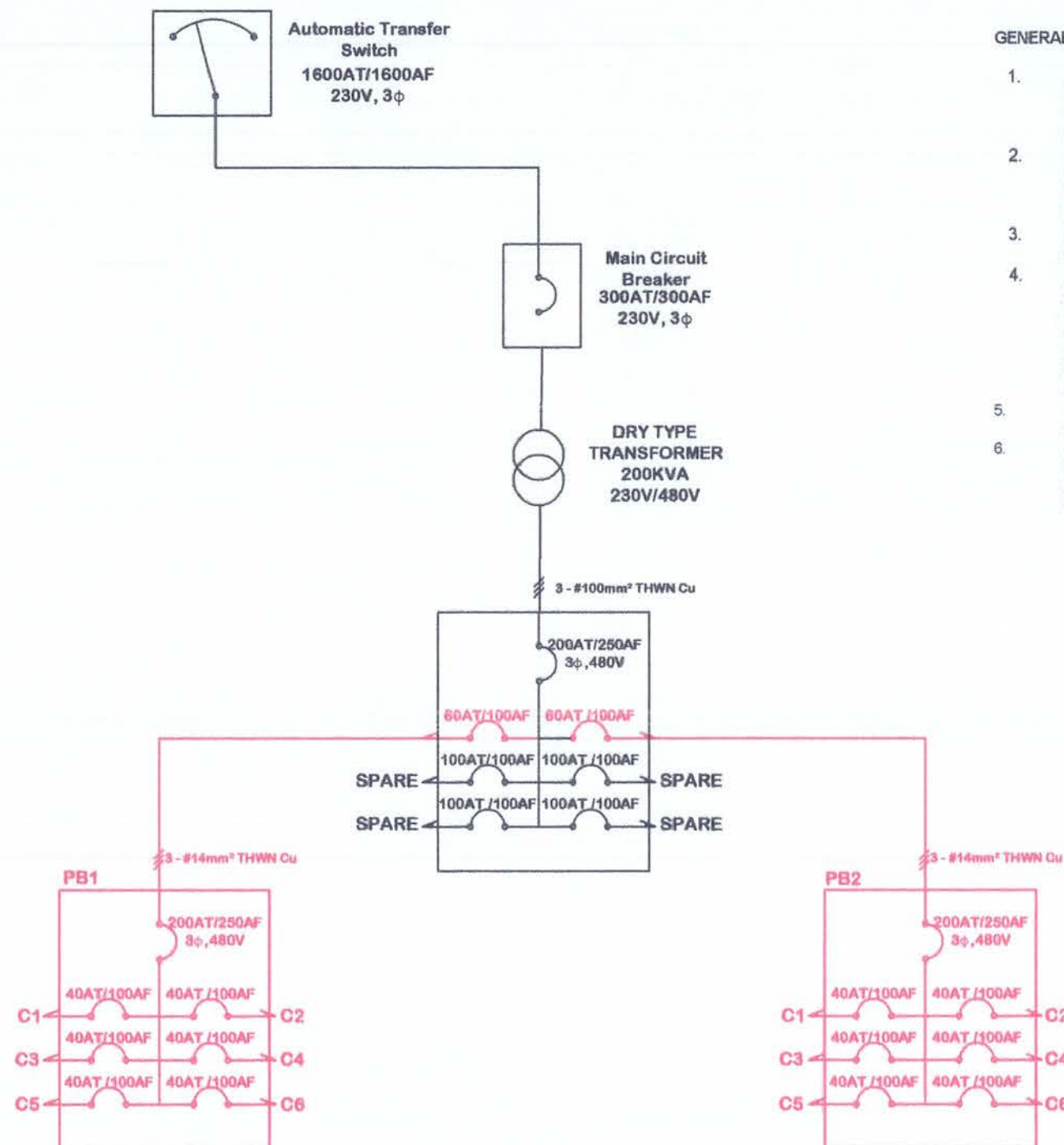
|  |                                                 |                                              |                                                      |                                               |                                                   |                                                    |                 |              |
|--|-------------------------------------------------|----------------------------------------------|------------------------------------------------------|-----------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----------------|--------------|
|  | Project / Location:                             | Prepared by:                                 | Checked by:                                          | Reviewed by:                                  | Recommending Approval:                            | Approved by:                                       | Sheet Contents: | Sheet No.    |
|  | <b>MAINTENNANCE OF REEFER VAN OUTLET SYSTEM</b> | (ORIGINAL SIGNED)<br><b>REYNAN P. PENASO</b> | (ORIGINAL SIGNED)<br><b>MA. GEMMA MAE A. AGUILAR</b> | (ORIGINAL SIGNED)<br><b>AMALIA M. DUMANON</b> | (ORIGINAL SIGNED)<br><b>LEXTER-LOU V. SEVILLA</b> | (ORIGINAL SIGNED)<br><b>ATTY. KAHLIL L. LAMIGO</b> | • DOOR DETAIL   | <b>A-6</b>   |
|  | <b>BASEPORT OF NASIPIT</b>                      | ENGINEER I                                   | ARCHITECT I                                          | ACTING PRINCIPAL ENGINEER A                   | DIVISION MANAGER A, ESD                           | ACTING PORT MANAGER                                |                 | <b>06 08</b> |
|  | Brgy. Talisay, Nasipit, Agusan del Norte        |                                              |                                                      |                                               |                                                   |                                                    |                 | JANUARY 2025 |

| Panel       | PB 1                              |                   |       |                 |               |       |      |             |     |     |     |                         |     |   |      |                        |      |        |              |      |                          |       |       |
|-------------|-----------------------------------|-------------------|-------|-----------------|---------------|-------|------|-------------|-----|-----|-----|-------------------------|-----|---|------|------------------------|------|--------|--------------|------|--------------------------|-------|-------|
| System      | SINGLE (1) PHASE SYSTEM-230V      |                   |       |                 |               |       |      |             |     |     |     |                         |     |   |      |                        |      |        |              |      |                          |       |       |
| Fed From    | POWER HOUSE                       |                   |       |                 |               |       |      |             |     |     |     |                         |     |   |      |                        |      |        |              |      |                          |       |       |
| Location    | REEFER VAN OUTLET AT NASIPIT PORT |                   |       |                 |               |       |      |             |     |     |     |                         |     |   |      |                        |      |        |              |      |                          |       |       |
| CIRCUIT NO. | LOAD DESCRIPTION                  | TING LUMINA       |       | CKT- RUN (mtrs) | DEMAND FACTOR | VA    | VOLT | AMPERE LOAD |     |     |     | OVER CURRENT PROTECTION |     |   |      | CONDUCTORS mm², Cu-B/W |      |        | CONDUIT SPEC |      | VOLTAGE DROP COMPUTATION |       |       |
|             |                                   | REEFER VAN OUTLET | TOTAL |                 |               |       | (V)  | ØAB         | ØBC | ØCA | 3Ø  | AT                      | AF  | P | kAIC | SIZE                   | TYPE | Ω/305m | SIZE (Φ)     | TYPE | GRD WIRE                 | VD    | %VD   |
| C1          | Number 1                          | 1                 | 1     | 70              | 80%           | 36.0  | 230  |             |     |     | 0.2 | 40                      | 100 | 3 | 6    | 2w-#8.0                | THHN | 0.809  | 25mm         | PVC  | 1w-#5.5 THHN             | 0.06  | 0.03  |
| C2          | Number 2                          | 1                 | 1     | 70              |               | 36.0  | 230  |             |     |     | 0.2 | 40                      | 100 | 3 | 6    | 2w-#8.0                | THHN | 0.809  | 25mm         | PVC  | 1w-#5.5 THHN             | 0.06  | 0.03  |
| C3          | Number 3                          | 1                 | 1     | 70              |               | 36.0  | 230  |             |     |     | 0.2 | 40                      | 100 | 3 | 6    | 2w-#8.0                | THHN | 0.809  | 25mm         | PVC  | 1w-#5.5 THHN             | 0.06  | 0.03  |
| C4          | Number 4                          | 1                 | 1     | 70              |               | 36.0  | 230  |             |     |     | 0.2 | 40                      | 100 | 3 | 6    | 2w-#8.0                | THHN | 0.809  | 25mm         | PVC  | 1w-#5.5 THHN             | 0.06  | 0.03  |
| C5          | Number 5                          | 1                 | 1     | 70              |               | 36.0  | 230  |             |     |     | 0.2 | 40                      | 100 | 3 | 6    | 2w-#8.0                | THHN | 0.809  | 25mm         | PVC  | 1w-#5.5 THHN             | 0.06  | 0.03  |
| C6          | Number 6                          | 1                 | 1     | 70              |               | 36.0  | 230  |             |     |     | 0.2 | 40                      | 100 | 3 | 6    | 2w-#8.0                | THHN | 0.809  | 25mm         | PVC  | 1w-#5.5 THHN             | 0.06  | 0.03  |
|             | TOTAL                             | 6                 | 6     | 60              | 0.8           | 216.0 | 230  | 0.0         | 0.0 | 0.0 | 0.9 | 60                      | 100 | 3 | 10   | 3w-#14.0               | THHN | 0.51   | 25mm         | PVC  | 1x8.0TW                  | 0.188 | 0.082 |

| Panel       | PB 2                              |                   |       |                 |               |       |             |             |     |     |     |                         |     |   |      |                        |      |        |              |      |                          |       |       |
|-------------|-----------------------------------|-------------------|-------|-----------------|---------------|-------|-------------|-------------|-----|-----|-----|-------------------------|-----|---|------|------------------------|------|--------|--------------|------|--------------------------|-------|-------|
| System      | SINGLE (1) PHASE SYSTEM-230V      |                   |       |                 |               |       |             |             |     |     |     |                         |     |   |      |                        |      |        |              |      |                          |       |       |
| Fed From    | POWER HOUSE                       |                   |       |                 |               |       |             |             |     |     |     |                         |     |   |      |                        |      |        |              |      |                          |       |       |
| Location    | REEFER VAN OUTLET AT NASIPIT PORT |                   |       |                 |               |       |             |             |     |     |     |                         |     |   |      |                        |      |        |              |      |                          |       |       |
| CIRCUIT NO. | LOAD DESCRIPTION                  | TING LUMINA       |       | CKT- RUN (mtrs) | DEMAND FACTOR | VA    | VOLT<br>(V) | AMPERE LOAD |     |     |     | OVER CURRENT PROTECTION |     |   |      | CONDUCTORS mm², Cu-B/W |      |        | CONDUIT SPEC |      | VOLTAGE DROP COMPUTATION |       |       |
|             |                                   | REEFER VAN OUTLET | TOTAL |                 |               |       |             | ØAB         | ØBC | ØCA | 3Ø  | AT                      | AF  | P | kAIC | SIZE                   | TYPE | Ω/305m | SIZE (Φ)     | TYPE | GRD WIRE                 | VD    | %VD   |
| C1          | Number 7                          | 1                 | 1     | 70              | 80%           | 36.0  | 230         |             |     |     | 0.2 | 40                      | 100 | 3 | 6    | 2w-#8.0                | THHN | 0.809  | 25mm         | PVC  | 1w-#5.5 THHN             | 0.06  | 0.03  |
| C2          | Number 8                          | 1                 | 1     | 70              |               | 36.0  | 230         |             |     |     | 0.2 | 40                      | 100 | 3 | 6    | 2w-#8.0                | THHN | 0.809  | 25mm         | PVC  | 1w-#5.5 THHN             | 0.06  | 0.03  |
| C3          | Number 9                          | 1                 | 1     | 70              |               | 36.0  | 230         |             |     |     | 0.2 | 40                      | 100 | 3 | 6    | 2w-#8.0                | THHN | 0.809  | 25mm         | PVC  | 1w-#5.5 THHN             | 0.06  | 0.03  |
| C4          | Number 10                         | 1                 | 1     | 70              |               | 36.0  | 230         |             |     |     | 0.2 | 40                      | 100 | 3 | 6    | 2w-#8.0                | THHN | 0.809  | 25mm         | PVC  | 1w-#5.5 THHN             | 0.06  | 0.03  |
| C5          | Number 11                         | 1                 | 1     | 70              |               | 36.0  | 230         |             |     |     | 0.2 | 40                      | 100 | 3 | 6    | 2w-#8.0                | THHN | 0.809  | 25mm         | PVC  | 1w-#5.5 THHN             | 0.06  | 0.03  |
| C6          | Number 12                         | 1                 | 1     | 70              |               | 36.0  | 230         |             |     |     | 0.2 | 40                      | 100 | 3 | 6    | 2w-#8.0                | THHN | 0.809  | 25mm         | PVC  | 1w-#5.5 THHN             | 0.06  | 0.03  |
|             | TOTAL                             | 6                 | 6     | 60              | 0.8           | 216.0 | 230         | 0.0         | 0.0 | 0.0 | 0.9 | 60                      | 100 | 3 | 10   | 3w-#14.0               | THHN | 0.51   | 25mm         | PVC  | 1x8.0TW                  | 0.188 | 0.082 |

**SCHEDULE OF LOADS**  
 SCALE NTS

|                                                                                     |                                                 |                                                            |                                                                     |                                                                              |                                                                              |                                                                           |                     |              |
|-------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------|--------------|
|  | Project / Location:                             | Prepared by:                                               | Checked by:                                                         | Reviewed by:                                                                 | Recommending Approval:                                                       | Approved by:                                                              | Sheet Contents:     | Sheet No.    |
|                                                                                     | <b>MAINTENNANCE OF REEFER VAN OUTLET SYSTEM</b> | (ORIGINAL SIGNED)<br><b>REYNAN P. PENASO</b><br>ENGINEER I | (ORIGINAL SIGNED)<br><b>MA. GEMMA MAE A. AGUILAR</b><br>ARCHITECT I | (ORIGINAL SIGNED)<br><b>AMALIA M. DUMANON</b><br>ACTING PRINCIPAL ENGINEER A | (ORIGINAL SIGNED)<br><b>LEXTER-LOU V. SEVILLA</b><br>DIVISION MANAGER A, ESD | (ORIGINAL SIGNED)<br><b>ATTY. KAHLIL L. LAMIGO</b><br>ACTING PORT MANAGER | • SCHEDULE OF LOADS | <b>E-1</b>   |
|                                                                                     | Baseport of Nasipit                             |                                                            |                                                                     |                                                                              |                                                                              |                                                                           |                     | <b>07 08</b> |
|                                                                                     | Brgy. Talisay, Nasipit, Agusan del Norte        |                                                            |                                                                     |                                                                              |                                                                              |                                                                           |                     | JANUARY 2025 |



**SINGLE LINE DIAGRAM**  
SCALE NTS

#### GENERAL NOTES AND SPECIFICATIONS

- ALL WORKS SHALL COMPLY WITH THE APPROVED EDITION WITH THE LATEST PHILIPPINE ELECTRICAL CODE, WITH THE RULES AND REGULATIONS OF THE UTILITY COMPANY CONCERNED.
- ALL ELECTRICAL WORK HEREIN SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DULY QUALIFIED REGISTERED ELECTRICAL ENGINEER OR REGISTERED MASTER ELECTRICIAN.
- SERVICE VOLTAGE SHALL BE 230 VOLTS, 3-PHASE, 60Hz A.C.
- ALL MATERIALS PRIOR TO INSTALLATION, FABRICATION OR ORDER CONTRACTOR SHALL SECURE APPROVAL FROM THE PROJECT INCHARGE OR PROJECT ENGINEER BASED ON MATERIAL STANDARD SPECIFICATION. ALL MATERIALS SHALL BE BRAND NEW AND DELIVERED TO SITE WITH THEIR ORIGINAL PACKAGING.
- ALL WIRES SHALL BE COPPER WITH 99.9% CONDUCTIVITY, SOFT-DRAWN AND ANNEALED.
- ALL WIRES SHALL BE COLOR CODED AS FOLLOWS:  
LINE 1 - RED  
LINE 2 - YELLOW  
LINE 3 - BLUE  
GROUND - GREEN
- PANELS SHALL BE FABRICATED BY A REPUTABLE FABRICATOR. ONLY ONE BRAND OF CIRCUIT BREAKER WILL BE ALLOWED FOR THE ENTIRE PROJECT.
- CONDUIT SHALL BE PROPERLY SEALED TO AVOID ENTRY OF FOREIGN OBJECT, DUST, MOISTURE, WATER AND ETC.
- STANDARD ENCLOSURE AND MOUNTING OF PANEL AND CABINET AS PER LOAD SCHEDULE. FOR INDOOR USE SHALL BE NEMA - 1 ENCLOSURE AND FOR OUTDOOR IT SHOULD BE NEMA 3R OR AS INDICATED ON THE PLANS. AND IT SHALL MEET NEMA AND UL SPECIFICATIONS.
- WHENEVER REQUIRED AND NECESSARY PVC PULL BOXES AND JUNCTION BOXES SHALL BE INSTALLED AT CONVENIENT SPACE AND LOCATION.
- UPON COMPLETION OF ELECTRICAL CONSTRUCTION WORK, THE FOLLOWING TESTS SHALL BE PERFORMED BY THE CONTRACTOR INCLUSIVE OF THE INSTALLATION TO BE REPORTED IN DETAILS ON FORMS APPROVED BY THE PROJECT MANAGER.  
A. INSULATION RESISTANCE TEST  
B. GROUND RESISTANCE TEST  
C. OPERATIONAL TEST  
D. CONTINUITY TEST



Project / Location:  
**MAINTENANCE OF  
REEFER VAN OUTLET SYSTEM**  
**BASEPORT OF NASIPIT**  
Brgy. Talisay, Nasipit, Agusan del Norte

Prepared by:  
(ORIGINAL SIGNED)  
**REYNAN P. PENASO**  
ENGINEER I

Checked by:  
(ORIGINAL SIGNED)  
**MA. GEMMA MAE A. AGUILAR**  
ARCHITECT I

Reviewed by:  
(ORIGINAL SIGNED)  
**AMALIA M. DUMANON**  
ACTING PRINCIPAL ENGINEER A

Recommending Approval:  
(ORIGINAL SIGNED)  
**LEXTER-LOU V. SEVILLA**  
DIVISION MANAGER A, ESD

Approved by:  
(ORIGINAL SIGNED)  
**ATTY. KAHLIL L. LAMIGO**  
ACTING PORT MANAGER

Sheet Contents:  
• GENERAL NOTES AND SPECIFICATIONS  
• SINGLE LINE DIAGRAM  
Sheet No.  
**E-2**  
**08 08**  
JANUARY 2025