



## **Invitation to Bid**

### **Construction Works for Material Recovery Facility (MRF), Sorsogon, Philippines for Marine Plastics ODA Project (2023–2028) – PEMSEA Resource Facility (PRF)**

**Bid Reference No.:** [PRF/ODA/2026-002]

**Date of Issue:** 17 February 2026

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#### **BACKGROUND**

The Marine Plastics ODA Project (2023–2028) is a regional initiative implemented under PEMSEA with support from the Ministry of Oceans and Fisheries (MOF) of the Republic of Korea. The Project addresses marine plastic pollution in the East Asian Seas through improved local governance, demonstration of community-driven solutions, systematic monitoring, and strengthened partnerships.

Under the Project, PRF will hire a construction company to construct a Material Recovery Facility (MRF) to enable plastic recycling and local plastic diversion activities in Bulan Municipality.

#### **PROCURING ENTITY AND PROJECT SITES**

Procuring Entity: PEMSEA Resource Facility (PRF)

Project: Marine Plastics ODA Project (2023–2028)

Project Site:

- Municipality of Bulan, Sorsogon – Construction of Material Recovery Facility (MRF) / plastic processing facility area
- PRF will award the Contract to the Lowest Evaluated Responsive Bid (LERB), subject to PRF’s best value determination and bidder capacity.

## **SCOPE OF WORKS**

The Contractor shall provide all labor, supervision, materials, tools, equipment, and incidentals necessary to complete the Works, including but not limited to:

- Pre-construction site visit, measurements, and finalization of work method and schedule.
- Site preparation, safety barricades/signage, temporary facilities, and housekeeping.
- Civil works: flooring/slab works, minor structural repairs, equipment pads/foundations (as applicable), and drainage improvements.
- Building works: masonry/partition, roofing repairs (if any), doors/windows repairs, painting, and basic finishing works.
- Utilities: electrical works (panel board upgrades, wiring, grounding, outlets, lighting), water supply lines, and wastewater/drain connections suitable for recycling operations.
- Provision/installation of required safety features: emergency exits clearances, fire extinguishers brackets/locations, safety railings/guards (as applicable).
- Testing and commissioning of installed utilities (electrical continuity/insulation tests, grounding tests, water pressure/leak tests), and rectification of defects.
- Preparation of as-built drawings, turnover documentation, and orientation of LGU facility staff on installed utilities and maintenance.

## **REFERENCE PLANS, SPECIFICATIONS, AND STANDARDS**

The Works shall comply with the latest applicable Philippine laws and standards, including the National Building Code of the Philippines, relevant DPWH standards, the Philippine Electrical Code, the Philippine Plumbing Code, and local ordinances.

The Bidder shall base its proposal on the PRF/LGU-provided drawings/specifications as attached in Annex A and the site conditions verified during the site inspection. In case of discrepancy, the Bidder shall raise it during the clarification period.

## **MINIMUM TECHNICAL REQUIREMENTS**

Bidders shall meet or exceed the following minimum requirements. Detailed technical specifications are provided in Annex A Layout of the MRF and Annex B Bill of Materials.

- Flooring/Slab: Adequate thickness and reinforcement for industrial use and for intended equipment placement (as applicable), with smooth, non-slip finish and proper slope to drains.
- Foundations/Pads: Level and adequately reinforced pads for equipment placement (as applicable) with anchor provisions as needed.
- Electrical: Dedicated circuits for industrial loads; properly sized wires/cables; breaker protection; grounding system; labeled panel board; emergency shut-off provision (where applicable).
- Water/Drainage: Leak-free piping; valves; adequate drainage with trap and cleanout; proper slope; wastewater discharge consistent with LGU requirements.

- Safety: Compliance with basic occupational safety and health (OSH) requirements; clear working space, lighting, and access routes.

## **CONTRACT DURATION AND MILESTONES**

The Contract duration shall be 180 calendar days from the Notice to Proceed (NTP). The Bidder shall propose a detailed work schedule, including key milestones: mobilization, civil works, utilities installation, testing, punchlisting, and final turnover.

## **ELIGIBILITY AND QUALIFICATION REQUIREMENTS**

Bidders must be legally, technically, and financially capable to undertake construction works of similar nature and scale.

- Valid business registration (SEC/DTI), Business Permit, and BIR registration.
- For Philippine contractors: Valid PCAB license with appropriate category/classification for the project cost (or equivalent proof of construction license/registration).
- Completed at least two (2) similar construction projects within the last five (5) years (attach contracts/POs, completion/acceptance certificates, and client references).
- Key personnel with relevant experience (Project Engineer, Safety Officer, Electrical/Plumbing personnel as applicable).
- Proof of equipment availability (owned/leased) appropriate for the Works.
- Financial capacity to deliver the Works (audited financial statements or equivalent).

## **SITE INSPECTION AND PRE-BID MEETING**

Site inspection is strongly recommended (and may be required for the winning bidder) to validate access, working areas, existing utilities, and constraints. Bidders are responsible for factoring actual site conditions in their bid price.

A pre-bid meeting may be conducted to address technical and administrative questions. PRF will issue supplemental/bid bulletins, if any.

## **REQUIRED BID DOCUMENTS**

Bidders shall submit two (2) separate electronic files marked "TECHNICAL" and "FINANCIAL". All documents must be signed by an authorized representative.

### **A. Technical Proposal**

1. Letter of Intent / Bidder's Letter.
2. Company profile and legal documents: SEC/DTI registration, Business Permit, BIR registration, and latest audited financial statements (or equivalent).
3. Proof of authority of signatory (Board Resolution/Secretary's Certificate or Special Power of Attorney).
4. PCAB license (Philippines) or equivalent construction license/registration.

5. Similar Project Experience Forms with supporting documents.
6. Key Personnel CVs and licenses/certifications.
7. List of equipment/tools to be used.
8. Construction Method Statement and Work Program/Gantt chart.
9. Project Quality Plan and Safety & Health Plan.
10. Warranty/Defects Liability commitment.

#### **B. Financial Proposal**

11. Duly accomplished Price Schedule / Bill of Quantities (BOQ) for the Works (Annex G).
12. Bid validity (minimum 90 days from bid submission deadline).
13. Proposed payment terms and any applicable discounts.
14. Taxes/duties included and other commercial terms.

### **BID SUBMISSION, OPENING, AND CLARIFICATIONS**

- Deadline for Submission: 30 June 2026, 5:00 PM (Philippine Time)
- Submission Address/Email: [oda@pemsea.org](mailto:oda@pemsea.org)

**\*Compress all bidding documents into a zipped folder**

**\*Put "CONFIDENTIAL – BID SUBMISSION FOR PRF/ODA/2026/002" in the subject line**

Requests for clarifications must be submitted in writing to [emerina@pemsea.org](mailto:emerina@pemsea.org) no later than ten (10) calendar days before the submission deadline. Late bids will not be accepted. PRF reserves the right to accept or reject any bid and to annul the bidding process at any time without incurring any liability.

### **EVALUATION AND AWARD**

Bids will be evaluated for compliance, responsiveness, and value for money. Award will be made to the Lowest Evaluated Responsive Bid (LERB), subject to PRF's best value determination.

- Completeness and validity of eligibility and technical documents.
- Technical responsiveness to the required scope, method, schedule, and safety plan.
- Demonstrated capacity to mobilize and complete within the required duration.
- Financial evaluation of the BOQ/price schedule and reasonableness of unit rates.
- PRF may request clarifications, conduct site visits, and verify references during evaluation.

### **KEY CONTRACT TERMS**

Delivery/Completion: Completed Works at the designated LGU site, including testing of utilities and turnover documentation.

Payment Terms:

- 20% mobilization advance upon signing of and submission of required securities/insurance.
- 30% payment upon completion of site preparation and foundation works.

- 20% payment upon completion of structural framework and roofing
- 20% payment upon completion of mechanical, electrical and plumbing (MEP) works
- 10% retention fee released within 6 months after defects liability period ends.

Performance Security: 10% of contract price in acceptable form to be submitted within 10 days from Notice of Award.

Warranty / Defects Liability: Minimum 6 months from Final Acceptance; Contractor shall remedy defects at its own cost within a reasonable period after notice.

Liquidated Damages: Applicable for delay beyond contract duration at 0.1% per calendar day of delay, subject to contract provisions.

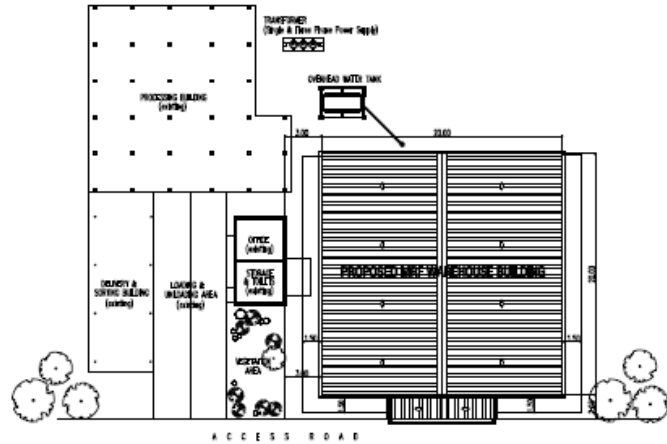
Insurance and Safety: Contractor shall comply with OSH requirements and maintain adequate insurance coverage for workers and third-party liability, as required.

**Annex A – Lay-out of the MRF**

Lay out of the Expanded MRF



1 PERSPECTIVE  
SCALE: 1/8" = 1'-0"



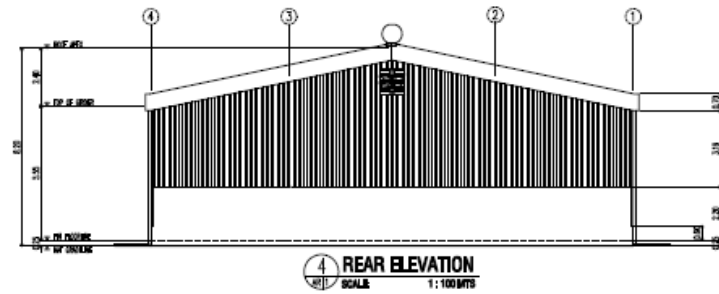
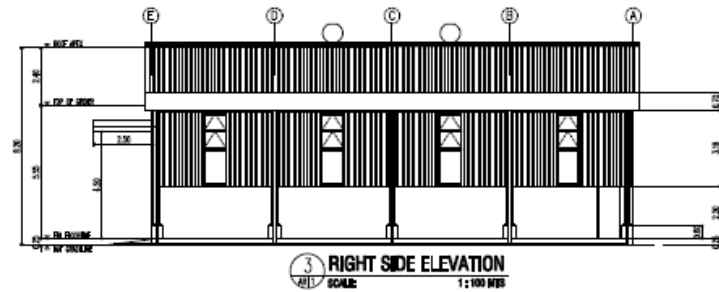
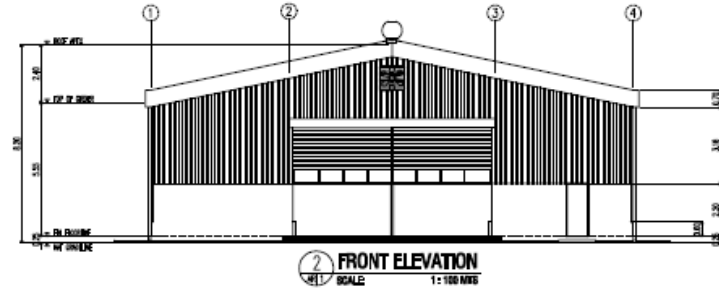
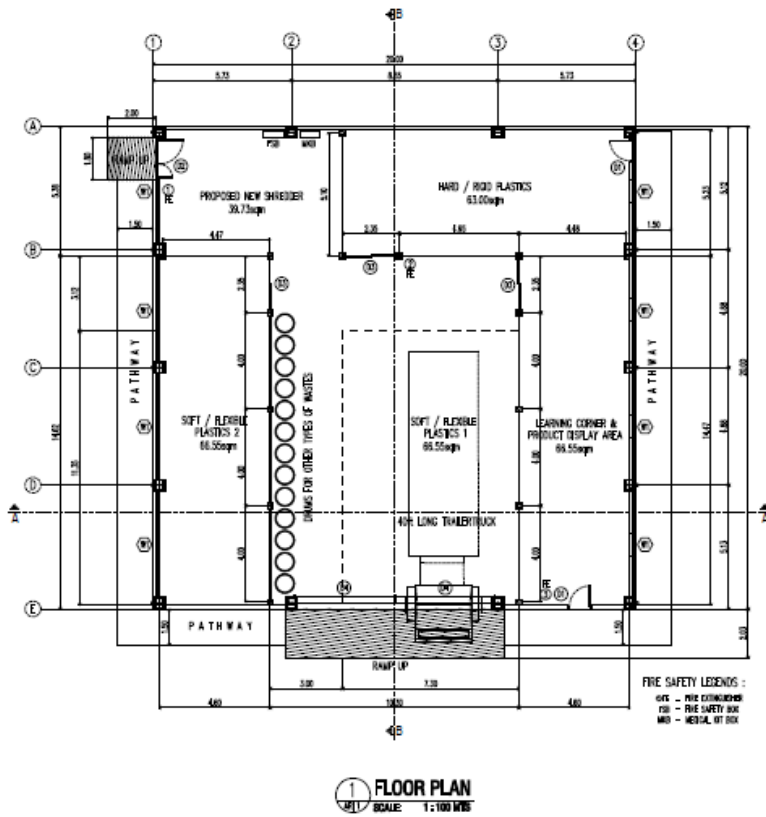
2 SITE DEVELOPMENT PLAN  
SCALE: 1" = 500'-0"

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|-------------------|---|---|
| CS1               | PERSPECTIVE<br>SITE DEVELOPMENT PLAN<br>VICINITY LOCATION MAP   | CITY/MUNICIPALITY   |
| AR1               | FLOOR PLAN<br>FRONT ELEVATION<br>RIGHT SIDE ELEVATION<br>REAR ELEVATION   | LAND USE & ZONING   |
| AR2               | LEFT SIDE ELEVATION<br>CROSS SECTION - A<br>CROSS SECTION - B<br>SCHEDULE OF DOORS & WINDOWS<br>STRUCTURAL BAY SECTION  | LINE & GRADE  |
| ST1               | FOUNDATION PLAN<br>COLUMN FOOTING DETAIL<br>WALL FOOTING DETAIL<br>COLUMN FOOTING SCHEDULE<br>TIE BEAM DETAIL & SCHEDULE<br>PEDESTAL DETAIL & SCHEDULE<br>ANCHOR SECTION<br>BASE PLATE DETAIL | ARCHITECTURAL   |
| ST2               | STEEL COLUMN, TRUSS & GIRDER SECTION<br>PARTITION WALL DETAIL<br>SITE, GRID LAYOUT<br>ROOF FRAMING PLAN<br>TRUSS DETAIL   | STRUCTURAL  |
| PL1               | PLUMBING & WASTE MANAGEMENT LAYOUT<br>ISOMETRIC PLUMBING LAYOUT<br>SETTLING POND DETAIL<br>CATCH BASIN DETAIL<br>PLUMBING NOTES & LEGENDS   | SANITARY  |
| EL1               | LIGHTING AND POWER LAYOUT<br>SCHEDULE OF ELECTRICAL LOADS<br>RESISTOR DIAGRAM<br>ELECTRICAL NOTES & SYMBOLS<br>VICINITY LOCATION MAP  | ELECTRICAL  |
|                   |   | MECHANICAL  |

|   |                                     |  |                               |
|---|-------------------------------------|--|-------------------------------|
| CERTIFIED BY:<br><b>PATRICK A. SALINAS JR.</b><br>AGENCY      | RA No. 2025 Dec-23 Act. Act of 2024 | PROJECT TITLE & LOCATION<br><b>PROPOSED MRF WAREHOUSE BUILDING</b> | APPROVED BY:<br><b>PEMSEA</b> |
| DESIGN & DRAWN BY:<br><b>PATRICK A. SALINAS JR.</b><br>AGENCY | DATE: 2025<br>2025-12-23            | DATE: 2025<br>2025-12-23   | DATE: 2025<br>2025-12-23      |
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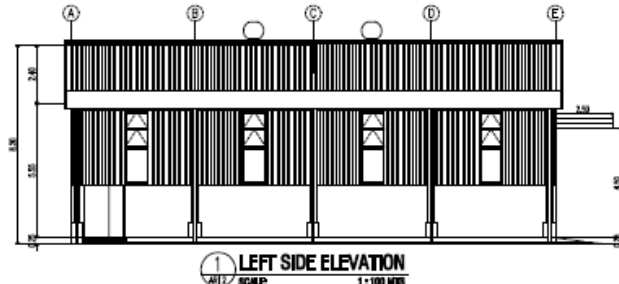
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Lay out of the Expanded MRF

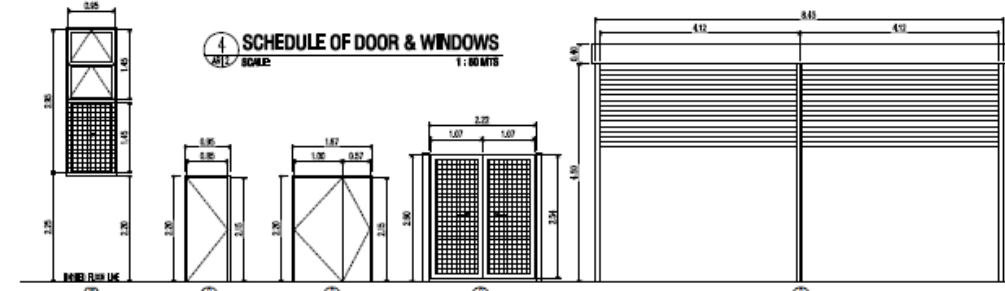


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| CERTIFIED BY:<br><b>PATRICK A. SHANE, JR.</b><br>ARCHITECT<br>REG. NO. 52889    LICENSED    SIN. 14, 2021<br>P.O. No. 54102111    Date Issued    Jan. 13, 2020<br>Firm Name: Agronco, Inc. | S.A. No. 5285 Sec. 23 App. Art. 2006<br>Design of the building shall comply with all applicable laws, codes and regulations of the local government. The architect shall be responsible for the design and construction of the building and shall be held liable for any errors or omissions in the design and construction of the building. The architect shall be held liable for any errors or omissions in the design and construction of the building. | PROJECT TITLE & LOCATION: | APPROVED BY: | DESIGN & DRAWN BY:<br>PATRICK A. SHANE, JR.<br>ARCHITECT | NO. | REVISIONS | DATE | SHEET CONTENT | SHEET NO. |
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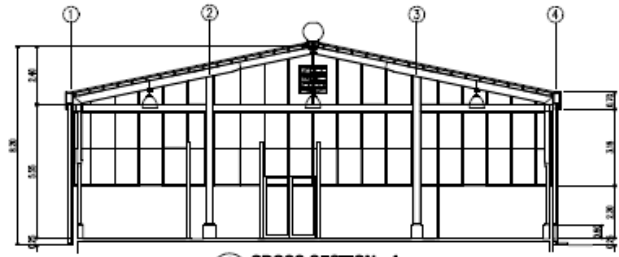
Lay out Expanded MRF



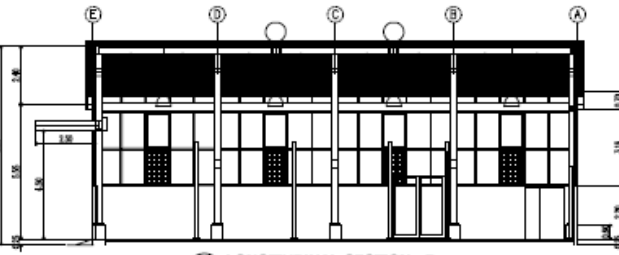
1 LEFT SIDE ELEVATION  
SCALE: 1:100 MBS



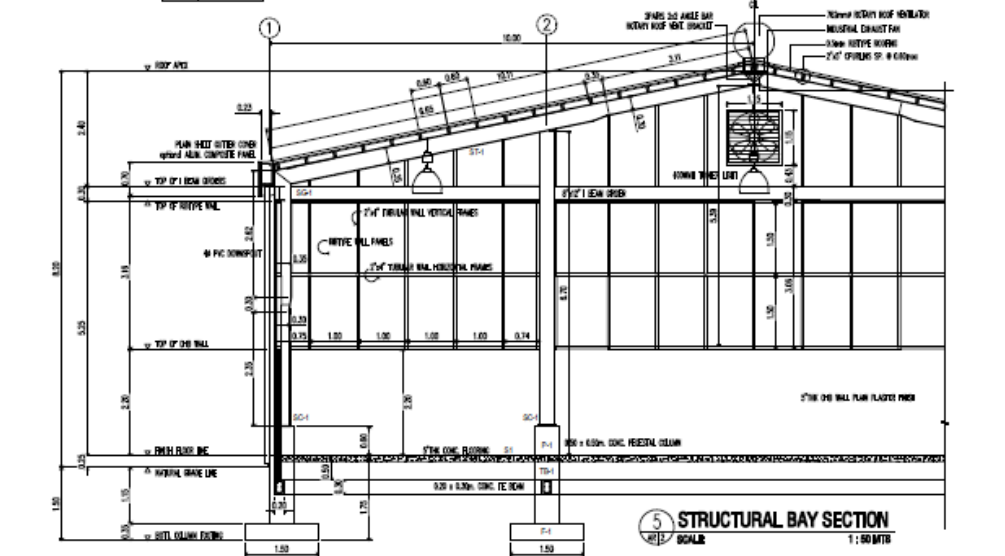
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| <p><b>WINDOW</b> FINE GLASS &amp; WINDOW<br/>                 TOP GLAZING 6MM WGL CLEAR ANGLEGLASS<br/>                 INTERGLAZING 6MM WGL CLEAR ANGLEGLASS<br/>                 WINDUW PROFILE ALUMINUM FRAMED<br/>                 QUANTITY 8<br/>                 LOCATION WEST &amp; EAST SIDE</p> | <p><b>DOOR LOW</b> 2000 STEEL DOOR<br/>                 DOOR FRAME 7 1/2" STEEL JAMB<br/>                 FINISH BLACK STEEL SLATS TOP GLAZING<br/>                 QUANTITY 2<br/>                 LOCATION LEADING CORNER, PLASTIC STORAGE</p> | <p><b>DOOR HIGH</b> 2000 STEEL DOOR<br/>                 DOOR FRAME 7 1/2" STEEL JAMB<br/>                 FINISH BLACK STEEL SLATS TOP GLAZING<br/>                 QUANTITY 1<br/>                 LOCATION SHOWER AREA</p> | <p><b>DOOR LOW</b> 2000 STEEL DOOR<br/>                 DOOR FRAME 7 1/2" STEEL JAMB<br/>                 FINISH ALUMINUM ANODIZED TOP GLAZING<br/>                 QUANTITY 2<br/>                 LOCATION LEADING CORNER, PLASTIC STORAGE</p> | <p><b>DOOR LOW</b> ALUMINUM ROLL-UP DOOR<br/>                 FINISH ALUMINUM ANODIZED TOP GLAZING<br/>                 QUANTITY 1<br/>                 LOCATION MAIN ENTRANCE - EXT</p> |
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2 CROSS SECTION . A  
SCALE: 1:100 MBS



3 LONGITUDINAL SECTION . B  
SCALE: 1:100 MBS

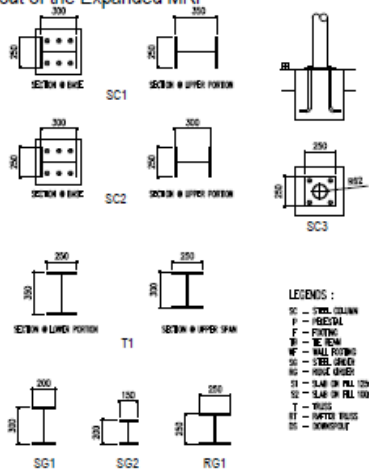


5 STRUCTURAL BAY SECTION  
SCALE: 1:100 MBS

| <p>CERTIFIED BY<br/> <b>PATRICK A. SALINAS JR.</b><br/>                 PROJECT<br/>                 2022 No. 202201 1/13/2022 No. 21 2022<br/>                 P.O. No. 54103111 Date Issued: Apr. 13, 2022<br/>                 Please Contact: <b>Agencia: Otomanga</b></p> | <p>EN 100. 5000 Sec. 33 Arch. Act of 2008<br/>                 Drawing is confidential and subject to copyright. No reproduction or distribution of this drawing is permitted without the express written consent of the architect. The architect shall not be held liable for any errors or omissions in this drawing or for any consequences thereof. The architect shall not be held liable for any errors or omissions in this drawing or for any consequences thereof. The architect shall not be held liable for any errors or omissions in this drawing or for any consequences thereof.</p> | <p>PROJECT TITLE &amp; LOCATION</p> | <p>APPROVED BY</p> | <p>DESIGN &amp; DRAWING BY<br/> <b>PATRICK A. SALINAS JR.</b><br/> <b>OTOMANGA</b></p> | <table border="1"> <tr> <th>NO.</th> <th>REVISIONS</th> <th>DATE</th> <th>SHEET CONTENT</th> <th>SHEET NO.</th> </tr> <tr> <td></td> <td></td> <td></td> <td>AS SHOWN</td> <td>AR2<br/>3</td> </tr> </table> | NO. | REVISIONS | DATE | SHEET CONTENT | SHEET NO. |  |  |  | AS SHOWN | AR2<br>3 |
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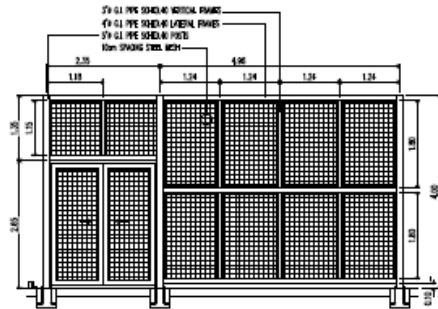


Lay out of the Expanded MRF

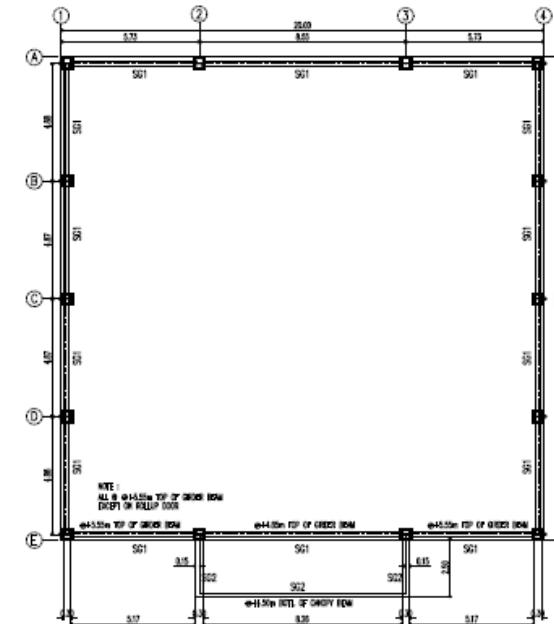
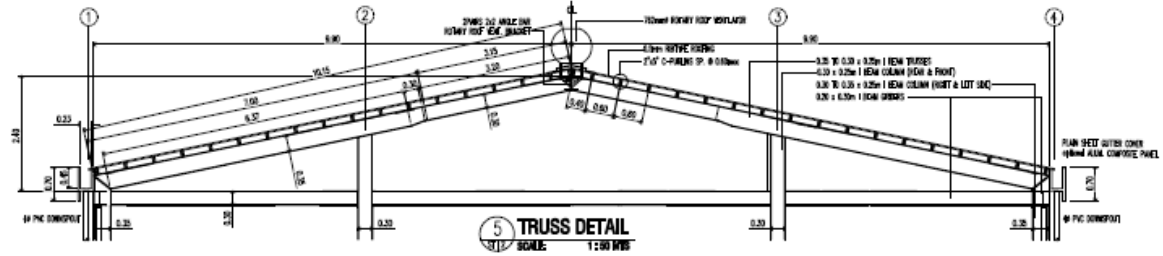


- LEGENDS :
- SC - STEEL COLUMN
  - F - FIBERGLASS
  - F - FIBERGLASS
  - RF - REINFORCED CONCRETE
  - WF - WALL FOOTING
  - SG - STEEL GIRDER
  - RG - ROOF GIRDER
  - SI - SLAB ON PILE
  - SL - SLAB ON PILE
  - T - TRUSS
  - RT - RAFTED TRUSS
  - TS - TOWER

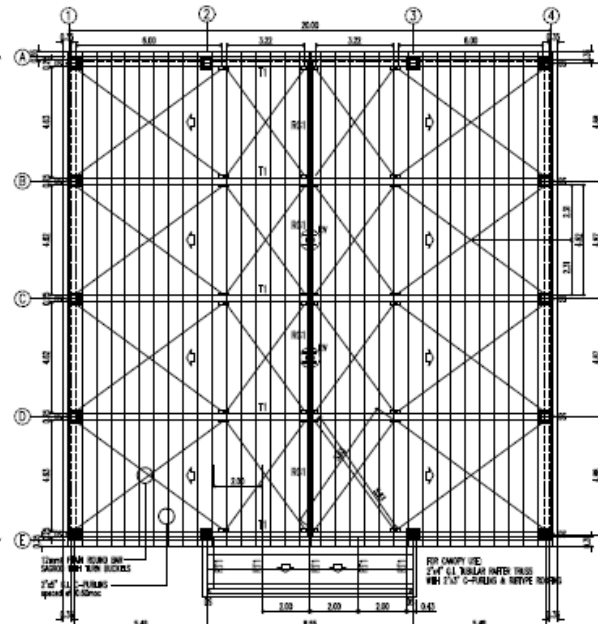
1 STEEL COLUMN, TRUSS & GIRDER SECTIONS  
SCALE: 1:200 MMS



2 PARTITION WALL DETAIL  
SCALE: 1:100 MMS



3 STEEL GIRDER LAYOUT  
SCALE: 1:100 MMS



4 ROOF FRAMING PLAN  
SCALE: 1:100 MMS

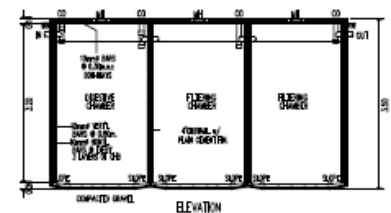
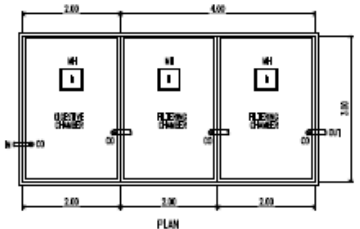
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| CERTIFIED BY<br><br>CIVIL ENGINEER<br>DATE: / /<br>SIGNATURE: / / | RA no. 2005 Sec. 33 Act. 4th of 2004<br><br>Drawing & Specification shall represent, interpret & execute the instructions of the client and the project and the drawings shall be the responsibility of the client. The client shall be responsible for the accuracy of the data and the drawings shall be the responsibility of the client. The client shall be responsible for the accuracy of the data and the drawings shall be the responsibility of the client. | PROJECT TITLE & LOCATION | APPROVED BY | DESIGN & DRAWN BY<br>PATRICK A. GILMUS JR.<br>RICKY | NO. | REVISIONS | DATE | SHEET CONTENT | SHEET NO. |
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# Lay out of the Expanded MRF

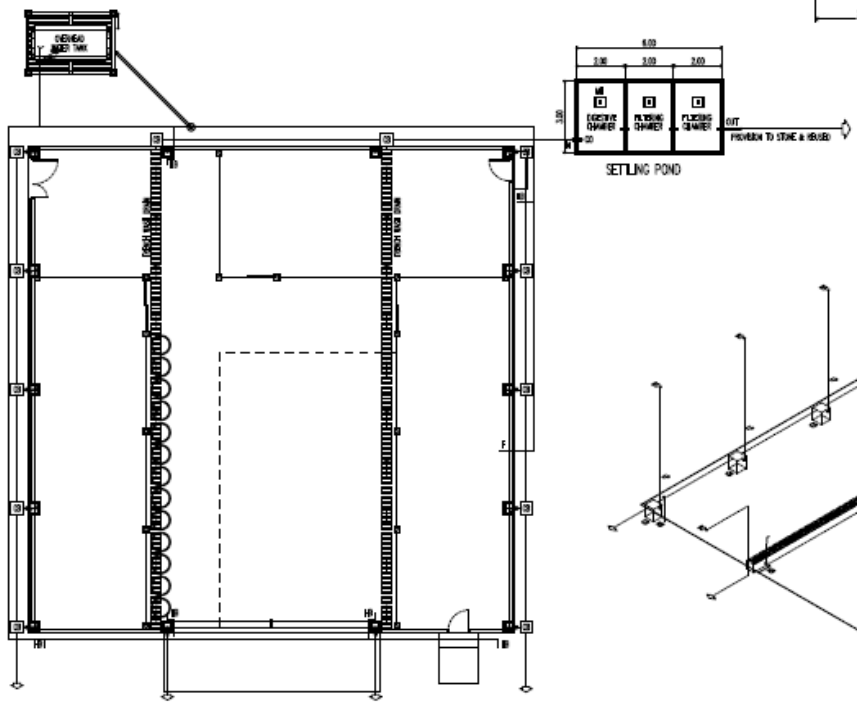
## PLUMBING NOTES

1. ALL WORK SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A LICENSED SANITARY ENGINEER OR WAIVER PLUMBER IN STRICT ACCORDANCE WITH THESE SPECS. & BY THE METHODS AS PROVIDED BY THE NATIONAL PLUMBING CODE OF THE PHILIPPINES.
2. INSTALL ALL FITTINGS & ACCESSORIES IN ACCORDANCE WITH THE NATIONAL PLUMBING CODE OF THE PHILIPPINES.
3. ALL SUBSTRATE PIPES, PVC PIPES, & DRAINAGE PIPES SHALL HAVE A MINIMUM SLOPE OF 1/4".
4. FITTINGS AND ACCESSORIES MUST BE STANDARD OR EQUIVALENT.
5. ALL WORKS ON THIS SHEET ON SOIL, WATER, & DRAIN LINE SHALL BE PROVIDED BY REMOVING FITTING OR RECEIVERS PROVIDED.
6. INSTALL PLUMBING FITTINGS AS INDICATED BY DRAWING, EXCEPTING ALL BRACKETS, SEALS, FLANGES, & WELDS REQUIRED TO SUPPORT FITTINGS WELDED FLANGE.
7. INSTALL LAMING PROVIDED FROM A OPEN TO AVOID EASY ACCESS FOR CLEANING.
8. PROTECT PIPES BY APPROVAL WORKS TO AVOID FROM BEING DAMAGED, REMOVED WORK DAMAGED & REPLACE BY PERFECT WORK WITH EXTRA COST TO THE OWNER.
9. PROVIDE CORRECTLY LOCATED COUPLING OF PROPER SIZES WHERE PROVIDED.
10. ALL PIPES SHALL BE CUT ACCURATELY TO MEASUREMENTS & WORKED INTO PLACE W/O SPRINGING OR FORCE.
11. ONE SHALL BE TAKEN AS NOT TO MEMBER STRUCTURAL PORTION OF THE BUILDING.

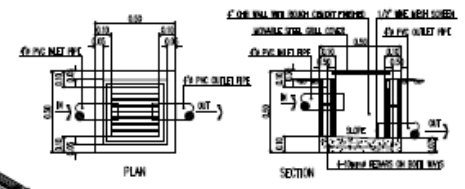
- ## LEGENDS :
- F FINISH
  - HL ROSE BRUSH
  - DS DEMONSTRATE
  - CS COVER BRUSH
  - LP LEADER PIPE
  - SP SETTLING POND
  - MM MAIN WALK
  - CO CLEAN OUT
  - 1/2" & MORE SUPPLY PIPE
  - 1/4" & SYNOCHRON PIPE LINE
  - 1/4" & SOL PIPE LINE



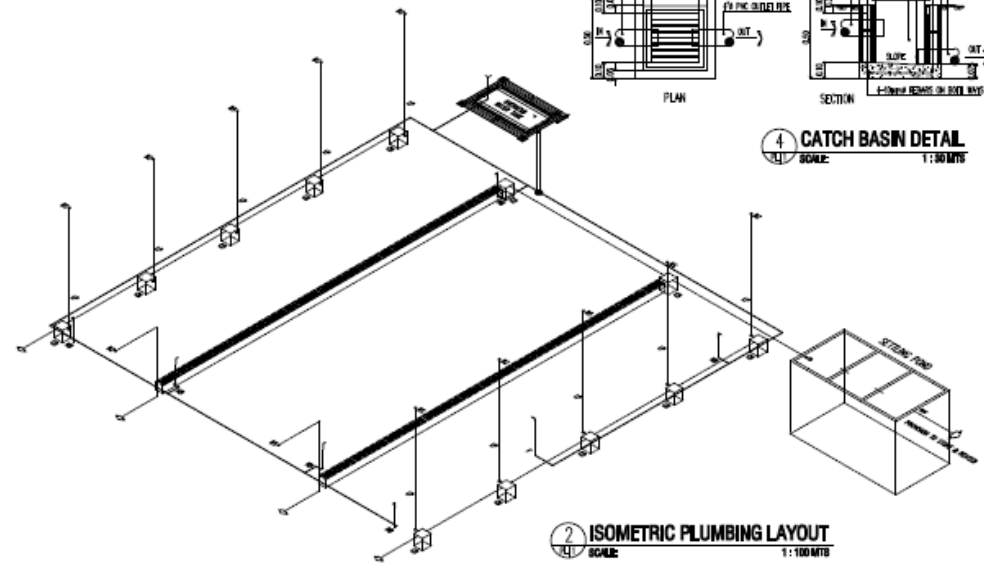
**3 SETTLING POND DETAIL**  
SCALE: 1:80 MTS



**1 PLUMBING AND WASTE MANAGEMENT LAYOUT**  
SCALE: 1:100 MTS



**4 CATCH BASIN DETAIL**  
SCALE: 1:80 MTS



**2 ISOMETRIC PLUMBING LAYOUT**  
SCALE: 1:100 MTS

|   |  |                                    |                       |  |  |                            |                       |
|---|--|------------------------------------|-----------------------|--|--|----------------------------|-----------------------|
| CERTIFIED BY:<br>_____<br>SANITARY ENGINEER<br>REG. NO. _____<br>PRC No. _____<br>Place: Manila | RA No. 556 Sec. 33 Arts. 141 of 35M<br>Drawing is submitted and signed, approved in whole or in part, and the engineer and his assistants and employees of the holder, under the right to which they are made in accordance with, shall be held responsible for any error, omission or defect in the drawing or in the work done in accordance therewith, or in the construction of the building or other work, in accordance with the drawing or in the construction of the building or other work, in accordance with the drawing. | PROJECT TITLE ALLOCATION:<br>_____ | APPROVED BY:<br>_____ | DESIGN & DRAWN BY:<br>PATRICIO A. SALINAS JR.<br>ARCHITECT | NO. _____<br>REVISIONS _____<br>DATE _____ | SHEET CONTENT:<br>AS SHOWN | SHEET NO.<br>PL1<br>6 |
|   |  |                                    |                       | CHECKED BY:<br>_____                                       | DATE _____                                 | DATE _____                 | DATE _____            |

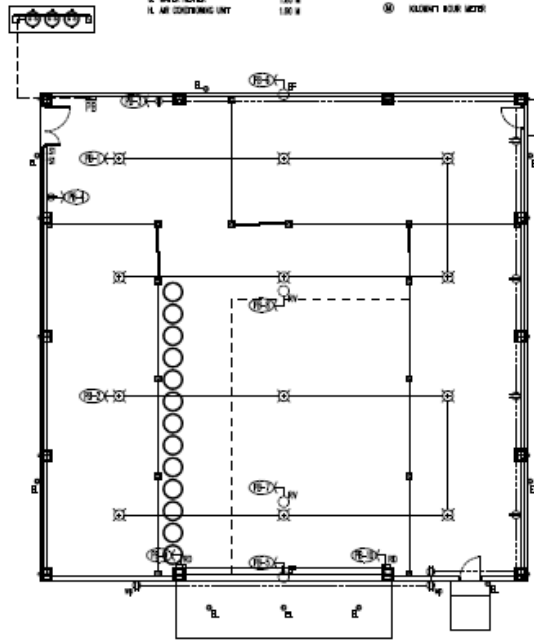
Annex A Layout of the Expanded MRF

ELECTRICAL GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF PHILIPPINE ELECTRICAL CODE.
  2. ALL MATERIALS TO BE USED SHALL BE NEW, FREE FROM DEFECTS AND APPROVED TYPE OF OWNER.
  3. MINIMUM USE OF WIRE SHALL BE 2.0mm<sup>2</sup> FOR LIGHTING OUTLET AND 3.0mm<sup>2</sup> FOR CONDUITANCE OUTLET.
- A. PANEL BOARD 1.00 M  
 B. SWITCHES 1.40 M  
 C. CONDUITANCE OUTLET 0.25 M  
 D. OUTLET 0.25 M  
 E. PANEL/REF 1.00 M  
 F. KILN/MT BURN MECH 1.00 M  
 G. WATER HEATER 1.00 M  
 H. AIR CONDITIONING UNIT 1.00 M

ELECTRICAL SYMBOL

- RECEPTACLE OUTLET
- DUPLEX INDUCTIVE PROOF OUTLET
- PENDANT TRACK LIGHTS
- SOLAR ESSENTIAL LIGHTS
- EXHAUST FAN
- ROTARY VALVE
- AUTOMATIC ROLL UP DOOR
- SINGLE SWITCH
- TWO GANG SWITCH
- THREE GANG SWITCH
- KILN/MT BURN METER



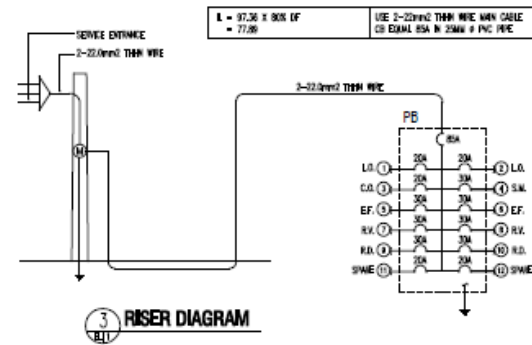
1 LIGHTING AND POWER LAYOUT  
SCALE 1:100 MTS

2 SCHEDULE OF ELECTRICAL LOADS

| CIRCUIT NO. | DESCRIPTION            | S1 | S2 | S3 | NO. OF OUTLETS | TOTAL LOADS |       |       | SIZE OF WIRE           | C.B. TESTING               |                      |     |
|-------------|------------------------|----|----|----|----------------|-------------|-------|-------|------------------------|----------------------------|----------------------|-----|
|             |                        |    |    |    |                | VA          | W     | AMP   |                        | TYPE                       | SIZE                 | NO. |
| 1           | LIGHTS, 400W/H         | 2  |    |    | 8              | 3000        |       | 13.04 | 2.0mm <sup>2</sup> PVC | 2                          | 20                   | 50  |
| 2           | LIGHTS, 400W/H         |    |    |    | 8              | 3000        |       | 13.04 | 2.0mm <sup>2</sup> PVC | 2                          | 20                   | 50  |
| 3           | CONVENIENCE OUTLET     |    |    |    | 8              | 1440        |       | 6.26  | 3.0mm <sup>2</sup> PVC | 2                          | 20                   | 50  |
| 4           | SHREDDER MACHINE       |    |    |    | 1              | 2000        |       | 8.70  | 3.0mm <sup>2</sup> PVC | 2                          | 30                   | 50  |
| 5           | INDUSTRIAL EXHAUST FAN |    |    |    | 1              | 2239        |       | 9.73  | 3.0mm <sup>2</sup> PVC | 2                          | 30                   | 50  |
| 6           | INDUSTRIAL EXHAUST FAN |    |    |    | 1              | 2239        |       | 9.73  | 3.0mm <sup>2</sup> PVC | 2                          | 30                   | 50  |
| 7           | ROOF VENTILATOR, 1.5HP |    |    |    | 1              | 2239        |       | 9.73  | 3.0mm <sup>2</sup> PVC | 2                          | 30                   | 50  |
| 8           | ROOF VENTILATOR, 1.5HP |    |    |    | 1              | 2239        |       | 9.73  | 3.0mm <sup>2</sup> PVC | 2                          | 30                   | 50  |
| 9           | ROLL UP DOOR           |    |    |    | 1              | 2000        |       | 8.70  | 3.0mm <sup>2</sup> PVC | 2                          | 30                   | 50  |
| 10          | ROLL UP DOOR           |    |    |    | 1              | 2000        |       | 8.70  | 3.0mm <sup>2</sup> PVC | 2                          | 30                   | 50  |
| 11          | SPARE                  |    |    |    |                |             |       |       |                        | 2                          | 20                   | 50  |
| 12          | SPARE                  |    |    |    |                |             |       |       |                        | 2                          | 20                   | 50  |
| TOTAL       |                        | 2  |    |    | 27             | 22,396      | 230 V | 97.36 |                        | 2-22.0mm <sup>2</sup> THHN | 1-3.0mm <sup>2</sup> |     |

USE 2-22.0mm<sup>2</sup> THHN WIRE MAIN CABLE  
 CB EQUAL ISA IN 25MM Ø PVC PIPE

L = 97.36 x 80X IF = 77.99



3 RISER DIAGRAM

|                                  |                                  |                          |             |                        |     |           |      |               |           |
|----------------------------------|----------------------------------|--------------------------|-------------|------------------------|-----|-----------|------|---------------|-----------|
| CERTIFIED BY                     | DATE: 0808 (see 22) Rev. 04/2024 | PROJECT TITLE & LOCATION | APPROVED BY | DESIGN & DRAWN BY      | NO. | REVISIONS | DATE | SHEET CONTENT | SHEET NO. |
| PROFESSIONAL ELECTRICAL ENGINEER |                                  |                          |             | DANIELA A. SALINAS JR. |     |           |      | AS SHOWN      | EL1<br>7  |
| DATE: 08/08/2024                 |                                  |                          |             | CHECKED:               |     |           |      |               |           |
| PROJECT NO.                      |                                  |                          |             | DATE:                  |     |           |      |               |           |

**Annex B – Bill of Materials**

Project : PROPOSED MRF WAREHOUSE BUILDING  
 Location : BULAN, SORSOGON  
 Owner :

*PROJECT BILL OF MATERIALS AND LABOR COST*

**A. WAREHOUSE BUILDING**

|   |                           | <i>Materials</i> |                   | <i>Labor</i>     | <i>TOTAL</i>      |
|---|---------------------------|------------------|-------------------|------------------|-------------------|
|   |                           | Unit Cost        | Cost              | Cost             |                   |
| <b>I. GENERAL REQUIREMENTS AND SITEWORKS</b>          |                           |                  |                   |                  |                   |
| <b>MOBILIZATION WORK</b>                              |                           |                  |                   |                  |                   |
| 1.00 lot  | Mobilization & Equipments | 0.00             | 100,000.00        | 0.00             | 100,000.00        |
|   | Sub-total                 |                  | <b>100,000.00</b> | -                | <b>100,000.00</b> |
| <b>TEMPORARY FACILITIES</b>                           |                           |                  |                   |                  |                   |
| 1.00 lot  | Layout & Batterboards     | 0.00             | 15,000.00         | 0.00             | 15,000.00         |
| 1.00 lot  | Scaffolding and Formworks | 0.00             | 65,000.00         | 0.00             | 65,000.00         |
|   | Sub-total                 |                  | <b>80,000.00</b>  |                  | <b>80,000.00</b>  |
| <b>EARTHWORKS</b>                                     |                           |                  |                   |                  |                   |
| 82.85 cu m  | Excavation                | 0.00             |                   | 28,997.50        | 28,997.50         |
| 60.00 cu m  | Compaction                | 160.00           | 0.00              | 21,000.00        | 21,000.00         |
|   | Sub-total                 |                  | -                 | <b>49,997.50</b> | <b>49,997.50</b>  |
| <b>TOTAL FOR GENERAL REQUIREMENTS &amp; SITEWORKS</b> |                           |                  | <b>180,000.00</b> | <b>49,997.50</b> | <b>229,997.50</b> |

**II. STRUCTURAL WORKS**

**Column Footing 1 (CF1)**

|             |                       |         |                  |                  |                  |
|-------------|-----------------------|---------|------------------|------------------|------------------|
| 93.56 bags  | cement                | 215.00  | 20,114.33        | 8,045.73         | 28,160.06        |
| 5.72 cu.m.  | sand                  | 650.00  | 3,716.21         | 1,486.49         | 5,202.70         |
| 11.43 cu.m. | gravel 3/4            | 1100.00 | 12,577.95        | 5,031.18         | 17,609.13        |
| 61.80 pcs   | 16mm Ø x 6m def. bars | 405.00  | 24,948.00        | 9,979.20         | 34,927.20        |
| 8.47 kl     | Ga. 16 GI wire        | 80.00   | 677.60           | 271.04           | 948.64           |
|             | Sub-total             |         | <b>62,034.09</b> | <b>24,813.64</b> | <b>86,847.72</b> |

**Pedestal Column 1 (PC1)**

|            |                               |         |                  |                  |                   |
|------------|-------------------------------|---------|------------------|------------------|-------------------|
| 79.70 bags | cement                        | 215.00  | 17,134.43        | 6,853.77         | 23,988.20         |
| 4.87 cu.m. | sand                          | 650.00  | 3,165.66         | 1,266.27         | 4,431.93          |
| 9.74 cu.m. | gravel 3/4                    | 1100.00 | 10,714.55        | 4,285.82         | 15,000.37         |
| 92.40 pcs  | 16mm Ø x 6m def. bars         | 405.00  | 37,422.00        | 14,968.80        | 52,390.80         |
| 157.42 pcs | 10mm Ø x 6m def. bars Tie bar | 145.00  | 22,826.22        | 9,130.49         | 31,956.71         |
| 34.35 kl   | Ga. 16 GI wire                | 80.00   | 2,748.04         | 1,099.22         | 3,847.26          |
|            | Sub-total                     |         | <b>94,010.90</b> | <b>37,604.36</b> | <b>131,615.27</b> |

**Reinforced Concrete Tie Beam 1 (TB1)**

|             |                               |         |                   |                   |                   |
|-------------|-------------------------------|---------|-------------------|-------------------|-------------------|
| 142.56 bags | cement                        | 215.00  | 30,650.40         | 12,260.16         | 42,910.56         |
| 8.71 cu.m.  | sand                          | 650.00  | 5,662.80          | 2,265.12          | 7,927.92          |
| 17.42 cu.m. | gravel                        | 1100.00 | 19,166.40         | 7,666.56          | 26,832.96         |
| 396.00 pcs  | 16mm Ø x 6m def. bars         | 405.00  | 160,380.00        | 64,152.00         | 224,532.00        |
| 220.00 pcs  | 10mm Ø x 6m def. bars Tie bar | 145.00  | 31,900.00         | 12,760.00         | 44,660.00         |
| 84.70 kl    | Ga. 16 GI wire                | 80.00   | 6,776.00          | 2,710.40          | 9,486.40          |
|             | Sub-total                     |         | <b>254,535.60</b> | <b>101,814.24</b> | <b>356,349.84</b> |

**Wall Footing ( outside & inside wall )**

|            |                               |         |                  |                  |                  |
|------------|-------------------------------|---------|------------------|------------------|------------------|
| 66.88 bags | cement                        | 215.00  | 14,379.20        | 5,751.68         | 20,130.88        |
| 3.87 cu.m. | sand                          | 650.00  | 2,516.80         | 1,006.72         | 3,523.52         |
| 7.74 cu.m. | gravel 3/4                    | 1100.00 | 8,518.40         | 3,407.36         | 11,925.76        |
| 42.90 pcs  | 10mm Ø x 6m def. bars Tie bar | 145.00  | 6,220.50         | 2,488.20         | 8,708.70         |
| 23.47 pcs  | 10mm Ø x 6m def. bars Tie bar | 145.00  | 3,402.67         | 1,361.07         | 4,763.73         |
| 9.13 kl    | Ga. 16 GI wire                | 80.00   | 730.03           | 292.01           | 1,022.05         |
|            | Sub-total                     |         | <b>35,767.60</b> | <b>14,307.04</b> | <b>50,074.64</b> |

**5" Chb Wall ( outside wall - WF1 )**

|             |  |        |           |           |           |
|-------------|--|--------|-----------|-----------|-----------|
| 2884.28 pcs | 5" CHB                                 | 14.00  | 37,579.85 | 15,031.94 | 52,611.79 |
| 240.47 bags | cement                                 | 215.00 | 51,700.64 | 20,680.26 | 72,380.90 |
| 19.94 cu.m. | sand                                   | 650.00 | 12,958.82 | 5,183.53  | 18,142.35 |
| 62.47 pcs   | 10mm Ø x 6m def. bars vertical reinf.  | 145.00 | 9,058.21  | 3,623.28  | 12,681.49 |
| 83.94 pcs   | 10mm Ø x 6m def. bars horizontal reinf | 145.00 | 12,171.97 | 4,868.79  | 17,040.75 |

|  |  |           |                     |                     |                     |
|--|--|-----------|---------------------|---------------------|---------------------|
| 6.87 kl  | Ga. 16 GI wire                         | 80.00     | 549.74              | 219.90              | 769.64              |
|  | Sub-total                              |           | <b>124,019.22</b>   | <b>49,607.69</b>    | <b>173,626.91</b>   |
| <b>Platering - Plain Finish</b>                                |  |           |                     |                     |                     |
| 170.98 bags  | cement                                 | 215.00    | 36,756.85           | 51,459.60           | 88,216.45           |
| 28.49 cu.m.  | sand                                   | 650.00    | 18,520.90           | 25,929.25           | 44,450.15           |
|  | Sub-total                              |           | <b>55,277.75</b>    | <b>77,388.85</b>    | <b>132,666.60</b>   |
| <b>Slab on Fill ( 150mm thick - S1 )</b>                       |  |           |                     |                     |                     |
| 616.78 bags  | cement                                 | 215.00    | 132,807.68          | 53,043.07           | 185,650.75          |
| 37.69 cu.m.  | sand                                   | 650.00    | 24,499.87           | 9,799.95            | 34,299.82           |
| 75.38 cu.m.  | gravel 3/4                             | 1100.00   | 82,922.63           | 33,169.05           | 116,091.68          |
| 423.03 pcs   | 12mm Ø x 6m def. Bars @0.40moc         | 240.00    | 101,527.56          | 40,611.02           | 142,138.58          |
| 58.17 kl   | Ga. 16 GI wire                         | 80.00     | 4,653.35            | 1,861.34            | 6,514.68            |
|  | Sub-total                              |           | <b>346,211.08</b>   | <b>138,484.43</b>   | <b>484,695.51</b>   |
| <b>Roofing Frames</b>  |  |           |                     |                     |                     |
| 134 pcs  | 2"x 5" x 1.40mm c- purlins galvanized  | 950.00    | 127,300.00          | 50,920.00           | 178,220.00          |
| 20 pcs   | angle bar 2"x2" x 6mm thk.             | 660.00    | 13,200.00           | 5,280.00            | 18,480.00           |
| 418.04 sqm.  | pre-painted Tile Span Roofing .5mm     | 460.00    | 192,298.40          | 76,919.36           | 269,217.76          |
| 20 pcs   | stainless gutter 26 x 24               | 1,150.00  | 23,000.00           | 9,200.00            | 32,200.00           |
| 20 pcs   | pre-painted flashing 24" x .4mm        | 480.00    | 9,600.00            | 3,840.00            | 13,440.00           |
| 20 pcs   | stainless fascia cover 24" x .4mm      | 580.00    | 11,600.00           | 6,000.00            | 17,600.00           |
| 15 gal   | laquer thinner                         | 220.00    | 3,300.00            | 1,320.00            | 4,620.00            |
| 15 gal   | epoxy primer - gray                    | 650.00    | 9,750.00            | 3,900.00            | 13,650.00           |
| 18 boxes   | welding rod                            | 1,800.00  | 32,400.00           | 12,960.00           | 45,360.00           |
| 1.00 lot   | consumables                            | 42,244.84 | 42,244.84           | 16,897.94           | 59,142.78           |
|  | Sub-total                              |           | <b>464,693.24</b>   | <b>187,237.30</b>   | <b>651,930.54</b>   |
| <b>Walling Frames , Rib-Steel Panel &amp; Steel Mesh Panel</b> |  |           |                     |                     |                     |
| 98 pcs   | 2"x 4"x 1.20mm tubular wall frames     | 1,100.00  | 107,800.00          | 43,120.00           | 150,920.00          |
| 259.34 sqm.  | RRSpan Wall Siding .5mm                | 460.00    | 119,298.40          | 47,718.56           | 167,014.96          |
| 83 lm  | steel wire mesh                        | 650.00    | 53,950.00           | 21,580.00           | 75,530.00           |
| 10 pcs   | 1" dia. g.i. pipe                      | 890.00    | 8,900.00            | 3,000.00            | 11,900.00           |
| 10 gal   | laquer thinner                         | 220.00    | 2,200.00            | 880.00              | 3,080.00            |
| 10 gal   | epoxy primer - gray                    | 650.00    | 6,500.00            | 2,600.00            | 9,100.00            |
| 6 boxes  | welding rod                            | 1,800.00  | 10,800.00           | 4,320.00            | 15,120.00           |
| 1.00 lot   | consumables                            | 15,472.32 | 15,472.32           | 6,188.93            | 21,661.25           |
|  | Sub-total                              |           | <b>324,918.72</b>   | <b>129,407.49</b>   | <b>454,326.21</b>   |
| <b>Steel Column &amp; Trusses</b>                              |  |           |                     |                     |                     |
| 10 pcs   | 12" x 10" x 6m I-Beam Column, build-up | 32,000.00 | 320,000.00          | 128,000.00          | 448,000.00          |
| 5 pcs  | 14" x 10" x 6m I-Beam Column, build-up | 38,000.00 | 190,000.00          | 76,000.00           | 266,000.00          |
| 5 pcs  | 12" x 10" x 6m I-Beam Trusses,build-up | 32,000.00 | 160,000.00          | 64,000.00           | 224,000.00          |
| 11 pcs   | 14" x 10" x 6m I-Beam Trusses,build-up | 38,000.00 | 418,000.00          | 167,200.00          | 585,200.00          |
| 18 pcs   | 12" x 8" x 6m I-Beam Girders & Ridge   | 28,000.00 | 504,000.00          | 201,600.00          | 705,600.00          |
| 20 pcs   | 16mm dia. Cross Bracing w/ turn buckle | 950.00    | 19,000.00           | 7,600.00            | 26,600.00           |
| 18 pcs   | 12mm round bar                         | 320.00    | 5,760.00            | 5,400.00            | 11,160.00           |
| 3 pcs  | M.S. Plate 4' x 8' x 4mm               | 3,850.00  | 11,550.00           | 900.00              | 12,450.00           |
| 84 pcs   | Machine Bolts                          | 350.00    | 29,400.00           | 25,200.00           | 54,600.00           |
| 84 pcs   | Anchor Bolts                           | 250.00    | 21,000.00           | 25,200.00           | 46,200.00           |
| 50 gal   | laquer thinner                         | 220.00    | 11,000.00           | 4,400.00            | 15,400.00           |
| 40 gal   | epoxy primer - gray                    | 650.00    | 26,000.00           | 10,400.00           | 36,400.00           |
| 50 boxes   | welding rod                            | 1,800.00  | 90,000.00           | 36,000.00           | 126,000.00          |
| 1.00 lot   | consumables                            | 36,114.20 | 36,114.20           | 14,445.68           | 50,559.88           |
|  | Sub-total                              |           | <b>1,841,824.20</b> | <b>766,345.68</b>   | <b>2,608,169.88</b> |
| <b>TOTAL FOR STRUCTURAL WORKS</b>                              |  |           | <b>3,603,292.41</b> | <b>1,527,010.71</b> | <b>5,130,303.12</b> |

### III. ARCHITECTURAL WORKS

#### DOORS & JAMB

##### D1: Main Entrance

|        |  |           |           |           |           |
|--------|--|-----------|-----------|-----------|-----------|
| 2 sets | 4.00m.(w) x 4.50m.(h)<br>Aluminum Roll Up Door | 25,000.00 | 50,000.00 | 17,500.00 | 67,500.00 |
|--------|--|-----------|-----------|-----------|-----------|

##### D2: Hard Plastics Storage/ Learning Corner

|        |   |          |           |          |           |
|--------|---|----------|-----------|----------|-----------|
| 2 sets | 0.85 x 2.15 Steel Panel Door<br>with g.i. tubular Door Jamb | 6,500.00 | 13,000.00 | 4,550.00 | 17,550.00 |
|--------|---|----------|-----------|----------|-----------|

##### D3: Shredder Area

|       |   |          |          |          |           |
|-------|---|----------|----------|----------|-----------|
| 1 set | Double Swing Steel Panel Door<br>1.00 x 2.15m & 0.6 x 2.15m | 9,500.00 | 9,500.00 | 3,325.00 | 12,825.00 |
|-------|---|----------|----------|----------|-----------|

|                                      |                                   |                              |                   |                   |                   |                   |
|--------------------------------------|-----------------------------------|------------------------------|-------------------|-------------------|-------------------|-------------------|
|                                      |                                   | with g.i. tubular Door Jambs |                   |                   |                   |                   |
| <b>D4: Shredder Area</b>             |                                   |                              |                   |                   |                   |                   |
| 3 sets                               | Double Swing Wire Mesh Door       |                              | 5,500.00          | 16,500.00         | 5,775.00          | 22,275.00         |
|                                      | 1.00 x 2.30m with g.i. Pipe Jambs |                              |                   |                   |                   |                   |
|                                      | Sub-total                         |                              |                   | <b>89,000.00</b>  | <b>31,150.00</b>  | <b>120,150.00</b> |
| <b>WINDOWS</b>                       |                                   |                              |                   |                   |                   |                   |
| 241.66 sq.ft.                        | aluminum framed fixed window      |                              |                   | 53,165.20         | 34,557.38         | 87,722.58         |
|                                      | w/ 1/4 thick clear glass          |                              |                   |                   |                   |                   |
|                                      | Sub-total                         |                              |                   | <b>53,165.20</b>  | <b>34,557.38</b>  | <b>87,722.58</b>  |
| <b>PAINTING WORKS</b>                |                                   |                              |                   |                   |                   |                   |
| <b>Exterior walls</b>                |                                   |                              |                   |                   |                   |                   |
| 152.02 sq.m.                         | (A) Permacoat Latex Paint         |                              |                   | 30404.00          | 25,083.30         | 55,487.30         |
| <b>Interior wall</b>                 |                                   |                              |                   |                   |                   |                   |
| 161.96 sq.m.                         | (B) Permacoat Latex Paint         |                              |                   | 32392.00          | 26,723.40         | 59,115.40         |
| <b>Varnish</b>                       |                                   |                              |                   |                   |                   |                   |
| 3.00 sets                            | Doors                             |                              |                   | 3600.00           | 4,425.00          | 8,025.00          |
|                                      | Sub-total                         |                              |                   | <b>66,396.00</b>  | <b>56,231.70</b>  | <b>122,627.70</b> |
| <b>HARDWARES</b>                     |                                   |                              |                   |                   |                   |                   |
| 3.00 sets                            | Stainless steel, knobset          | 940.00                       | 2,820.00          | 987.00            | 3,807.00          |                   |
| 12.00 pcs                            | loose pin hinges                  | 145.00                       | 1,740.00          | 609.00            | 2,349.00          |                   |
|                                      | Sub-total                         |                              | <b>4,560.00</b>   | <b>1,596.00</b>   | <b>6,156.00</b>   |                   |
| <b>TOTAL FOR ARCHITECTURAL WORKS</b> |                                   |                              | <b>213,121.20</b> | <b>123,535.08</b> | <b>336,656.28</b> |                   |

#### IV. PLUMBING WORKS

##### PLUMBING ROUGH-IN

|       |  |  |                  |      |                  |  |
|-------|--|--|------------------|------|------------------|--|
| 1 lot | Storm&SoilLines-neltex pipe&fittings   |  | 35,000.00        | 0.00 | 35,000.00        |  |
| 1 lot | Water Supply-fushiotherm pipe&fittings |  | 10,000.00        | 0.00 | 10,000.00        |  |
|       | Sub-total                              |  | <b>45,000.00</b> |      | <b>45,000.00</b> |  |

##### PLUMBING INSTALLATION COST

|          |                    |      |      |           |           |           |
|----------|--------------------|------|------|-----------|-----------|-----------|
| 1.00 lot | PLUMBER Labor Cost | 0.00 | 0.00 | 15,750.00 | 15,750.00 |           |
|          | Sub-total          |      |      | 0.00      | 15,750.00 | 15,750.00 |

|                                 |  |  |                  |                  |                  |  |
|---------------------------------|--|--|------------------|------------------|------------------|--|
| <b>TOTAL FOR PLUMBING WORKS</b> |  |  | <b>45,000.00</b> | <b>15,750.00</b> | <b>60,750.00</b> |  |
|---------------------------------|--|--|------------------|------------------|------------------|--|

#### V. ELECTRICAL WORKS

##### Conduits, Boxes & Fittings

|           |                      |          |                  |                 |                  |  |
|-----------|----------------------|----------|------------------|-----------------|------------------|--|
| 32.00 pcs | 2"x4" Utility Boxes  | 24.00    | 768.00           | 268.80          | 1,036.80         |  |
| 18.00 pcs | 4"x4" Junction Boxes | 28.00    | 504.00           | 176.40          | 680.40           |  |
| 60.00 pcs | 1/2" neltex pvc pipe | 65.00    | 3,900.00         | 1,365.00        | 5,265.00         |  |
| 45.00 pcs | 3/4" neltex pvc pipe | 98.00    | 4,410.00         | 1,543.50        | 5,953.50         |  |
| 1.00 lot  | Other Accessories    | 2,586.00 | 2,586.00         | 905.10          | 3,491.10         |  |
|           | Sub-total            |          | <b>12,168.00</b> | <b>4,258.80</b> | <b>16,426.80</b> |  |

##### Wires & Cables

|            |                         |          |                  |                 |                  |  |
|------------|-------------------------|----------|------------------|-----------------|------------------|--|
| 2.00 rolls | 3.50 sq. m. TW          | 3,500.00 | 7,000.00         | 2,450.00        | 9,450.00         |  |
| 2.00 rolls | 5.5mm sq Stranded Wires | 5,500.00 | 11,000.00        | 3,850.00        | 14,850.00        |  |
| 5.00 lm    | 30 sq. m. TW            | 800.00   | 4,000.00         | 1,400.00        | 5,400.00         |  |
| 1.00 lot   | Other Accessories       | 1,760.00 | 1,760.00         | 616.00          | 2,376.00         |  |
|            | Sub-total               |          | <b>23,760.00</b> | <b>8,316.00</b> | <b>32,076.00</b> |  |

##### Wiring Devices (Switch/Outlets)

|            |  |        |                 |                 |                 |  |
|------------|--|--------|-----------------|-----------------|-----------------|--|
| 8.00 sets  | 2 gang switch                          | 157.00 | 1,256.00        | 439.60          | 1,695.60        |  |
| 2.00 sets  | duplex convenience outlet weatherproof | 550.00 | 1,100.00        | 385.00          | 1,485.00        |  |
| 10.00 sets | duplex convenience outlet              | 157.00 | 1,570.00        | 549.50          | 2,119.50        |  |
|            | Sub-total                              |        | <b>3,926.00</b> | <b>1,374.10</b> | <b>5,300.10</b> |  |

##### Fixtures

|            |                         |          |                  |                  |                  |  |
|------------|-------------------------|----------|------------------|------------------|------------------|--|
| 5.00 sets  | spotlight solar         | 1,200.00 | 6,000.00         | 2,100.00         | 8,100.00         |  |
| 12.00 sets | trofer pendant lighting | 2,400.00 | 28,800.00        | 10,080.00        | 38,880.00        |  |
|            | Sub-total               |          | <b>34,800.00</b> | <b>12,180.00</b> | <b>46,980.00</b> |  |

##### Panelboards

|          |                                       |          |                 |                 |                  |  |
|----------|---------------------------------------|----------|-----------------|-----------------|------------------|--|
| 2.00 pcs | 20 ampere bolt on                     | 450.00   | 900.00          | 315.00          | 1,215.00         |  |
| 2.00 pcs | 30 ampere bolt on                     | 450.00   | 900.00          | 315.00          | 1,215.00         |  |
| 1.00 pc  | 70 ampere bolt on-two pole            | 3,000.00 | 3,000.00        | 1,050.00        | 4,050.00         |  |
| 1.00 pc  | panel board bolt on 10 branches-2pole | 3,800.00 | 3,800.00        | 1,330.00        | 5,130.00         |  |
|          | Sub-total                             |          | <b>8,600.00</b> | <b>3,010.00</b> | <b>11,610.00</b> |  |

|                                      |                     |                     |                     |
|--------------------------------------|---------------------|---------------------|---------------------|
| <b>TOTAL FOR ELECTRICAL WORKS</b>    | <b>83,254.00</b>    | <b>29,138.90</b>    | <b>112,392.90</b>   |
| <b>TOTAL COST OF MATERIALS</b>       | <b>4,124,667.61</b> |                     |                     |
| <b>TOTAL COST OF LABOR</b>           |                     | <b>1,745,432.19</b> |                     |
| <b>WAREHOUSE BUILDING TOTAL COST</b> |                     |                     | <b>5,870,099.80</b> |

Prepared by:

Approved by:

PATRICIO A. SALINAS JR.  
 ARCHITECT - 30886

OWNERS