



**SUPPLEMENTAL BULLETIN NO. 2025-B2-065**

August 05, 2025

**NOTICE TO ALL PARTICIPATING BIDDERS**

NAME OF PROJECT : **25CB0125** : Rehabilitation of Multi-Purpose Building (Covered Court) in Barangay Bagumbayan, Balanga City, Bataan

**25CB0126** : Rehabilitation of Multi-Purpose Building (Covered Court), Barangay Bantan, Orion, Bataan

**25CB0127** : Rehabilitation of Multi-Purpose Building (Malasakit Center), Phase II, Barangay Tenejero, Balanga City, Bataan

SUBJECT : Amendment of Bid Data Sheet, Plans, Bill of Quantities and Summary of Bids

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This Supplemental Bulletin is issued to revise the Bid Data Sheet, Plans, Bill of Quantities and Summary of Bids for the above-mentioned projects, in accordance with Resolution No. 2025-239 dated August 05, 2025.

Attached is the revised Bid Data Sheet, Plans, Bill of Quantities and Summary of Bids, reflecting updates to the Program of Works (POW) and Plans for your reference.

This shall form an integral part of the Bidding Documents.

For the information and guidance of all concerned.

Approved:

**SGD.**  
**LORENZO A. PAGTALUNAN**  
*OIC – Assistant District Engineer*  
BAC Chairperson

NOTED:

**SGD.**  
**ROLAND RAINIER A. VICTORINO**  
District Engineer

Contract ID : **25CB0125**  
Contract Name : **Rehabilitation of Multi-Purpose Building (Covered Court) in Barangay Bagumbayan, Balanga City, Bataan**  
Location of the Contract : **Balanga City, Bataan**

# Bid Data Sheet

| ITB Clause                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--|---------------|--------------------|---------------------|------------------|---|-------------|-----------------------------|-----------|-------------|-----------------|-----|--------------|------------------|---|-------------|---------|------------|-------------|-----------|------------|-------------|------------|-----------|--------------|-----------------|------|-------------|-------------------|---|--------------|---------------|----------------|-------------|------------|---|-------------|------------|---|-------------|----------------|---|-------------|
| 5.2                         | For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be:<br><br><b>Major Category</b><br><i>Buildings: Construction – without Piles – Low Rise – concrete (Frame) (1 to 5 Storeys)</i><br><br><b>Similar Category</b><br><i>BICWPHCCP                      BIL</i><br><i>BICWPLCCP                      BIH</i><br><i>BICWPHCDP                      BIM</i><br><i>BICWPLCDP                      BICWOPHC</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| 7.1                         | [Specify the portions of Works and the maximum percentage allowed to be subcontracted, which shall not be significant or material components of the Project as determined by the Procuring Entity.]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| 10.3                        | [Specify if another Contractor license or permit is required.]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| 10.4                        | The key personnel must meet the required minimum years of experience set below: <table><tr><td>Key Personnel</td><td>General Experience</td><td>Relevant Experience</td></tr><tr><td>Project Manager</td><td>5</td><td>3</td></tr><tr><td>Accredited Project Engineer</td><td>4</td><td>2</td></tr><tr><td>Foreman</td><td>4</td><td>2</td></tr><tr><td>Safety Officer</td><td>1</td><td>1</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |  | Key Personnel | General Experience | Relevant Experience | Project Manager  | 5 | 3           | Accredited Project Engineer | 4         | 2           | Foreman         | 4   | 2            | Safety Officer   | 1 | 1           |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| Key Personnel               | General Experience                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Relevant Experience |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| Project Manager             | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3                   |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| Accredited Project Engineer | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2                   |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| Foreman                     | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2                   |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| Safety Officer              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1                   |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| 10.5                        | The minimum major equipment requirements are the following: <table><tr><td>Equipment</td><td>Capacity</td><td>Number of Units</td></tr><tr><td>One Bagger Mixer</td><td>-</td><td>One(1) unit</td></tr><tr><td>Truck Mounted Crane</td><td>21-25 mt.</td><td>One(1) unit</td></tr><tr><td>Welding Machine</td><td>300</td><td>Two(2) units</td></tr><tr><td>Electric Grinder</td><td>-</td><td>One(1) unit</td></tr><tr><td>Backhoe</td><td>0.80 cu.m.</td><td>One(1) unit</td></tr><tr><td>Payloader</td><td>1.50 cu.m.</td><td>One(1) unit</td></tr><tr><td>Dump Truck</td><td>12 cu.yd.</td><td>Two(2) units</td></tr><tr><td>Plate Compactor</td><td>5 hp</td><td>One(1) unit</td></tr><tr><td>Concrete Vibrator</td><td>-</td><td>Two(2) units</td></tr><tr><td>Concrete Pump</td><td>100 cu.ft./min</td><td>One(1) unit</td></tr><tr><td>Bar Cutter</td><td>-</td><td>One(1) unit</td></tr><tr><td>Bar Bender</td><td>-</td><td>One(1) unit</td></tr><tr><td>Cutting Outfit</td><td>-</td><td>One(1) unit</td></tr></table> |                     |  | Equipment     | Capacity           | Number of Units     | One Bagger Mixer | - | One(1) unit | Truck Mounted Crane         | 21-25 mt. | One(1) unit | Welding Machine | 300 | Two(2) units | Electric Grinder | - | One(1) unit | Backhoe | 0.80 cu.m. | One(1) unit | Payloader | 1.50 cu.m. | One(1) unit | Dump Truck | 12 cu.yd. | Two(2) units | Plate Compactor | 5 hp | One(1) unit | Concrete Vibrator | - | Two(2) units | Concrete Pump | 100 cu.ft./min | One(1) unit | Bar Cutter | - | One(1) unit | Bar Bender | - | One(1) unit | Cutting Outfit | - | One(1) unit |
| Equipment                   | Capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Number of Units     |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| One Bagger Mixer            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | One(1) unit         |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| Truck Mounted Crane         | 21-25 mt.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | One(1) unit         |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| Welding Machine             | 300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Two(2) units        |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| Electric Grinder            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | One(1) unit         |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| Backhoe                     | 0.80 cu.m.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | One(1) unit         |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| Payloader                   | 1.50 cu.m.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | One(1) unit         |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| Dump Truck                  | 12 cu.yd.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Two(2) units        |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| Plate Compactor             | 5 hp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | One(1) unit         |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| Concrete Vibrator           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Two(2) units        |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| Concrete Pump               | 100 cu.ft./min                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | One(1) unit         |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| Bar Cutter                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | One(1) unit         |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| Bar Bender                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | One(1) unit         |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |
| Cutting Outfit              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | One(1) unit         |  |               |                    |                     |                  |   |             |                             |           |             |                 |     |              |                  |   |             |         |            |             |           |            |             |            |           |              |                 |      |             |                   |   |              |               |                |             |            |   |             |            |   |             |                |   |             |

Section VII. Drawings



REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
REGION III  
BATAAN SECOND DISTRICT ENGINEERING OFFICE  
BALANGA CITY, BATAAN

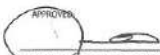


BAGONG PILIPINAS

C.Y. 2025 PROJECT  
DETAILED ENGINEERING DESIGN PLAN FOR  
REHABILITATION OF MULTI-PURPOSE BUILDING (COVERED COURT) IN  
BARANGAY BAGUMBAYAN, BALANGA CITY, BATAAN  
LOCATION: Balanga City, Bataan

SUBMITTED:  
  
ROULITA L. VIRAY  
CHIEF PLANNING AND DESIGN SECTION  
DATE: JUN 27 2025

RECOMMENDED:  
  
LORENZO A. PAGTALUNAN  
CIC - ASSISTANT DISTRICT ENGINEER  
DATE: JUL 04 2025

APPROVED:  
  
ROLAND RAINER A. VICTORINO  
CIC - DISTRICT ENGINEER  
DATE: JUL 04 2025



PERSPECTIVE



VICINITY MAP

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S-8 STAIR DETAIL

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SCOPE OF WORKS:

COVERED COURT EXTENSION

REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF PUBLIC WORKS  
AND HIGHWAYS

OFFICE OF THE BDC OFFICIAL  
CITY DISTRICT MUNICIPALITY

LAPUS L. JEROME

LINE AND STAKE

ARCHITECTURAL

STRUCTURAL

SANITARY

ELECTRICAL

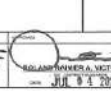
MECANICAL

DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
REGION III  
BATAAN SECOND DISTRICT ENGINEERING OFFICE  
BALANGA CITY, BATAAN

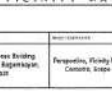
REHABILITATION OF MULTI-PURPOSE BUILDING  
(COVERED COURT) IN BARANGAY BAGUMBAYAN,  
BALANGA CITY, BATAAN

PROJECT NO. BDC-2025-001

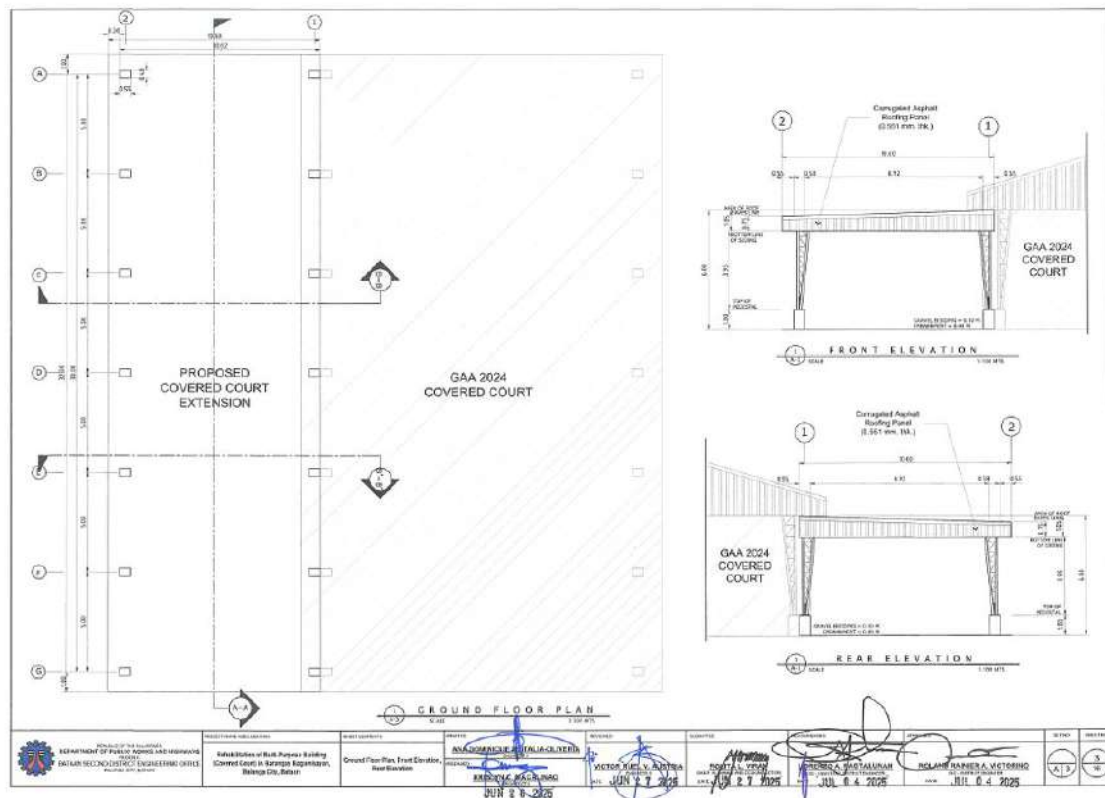
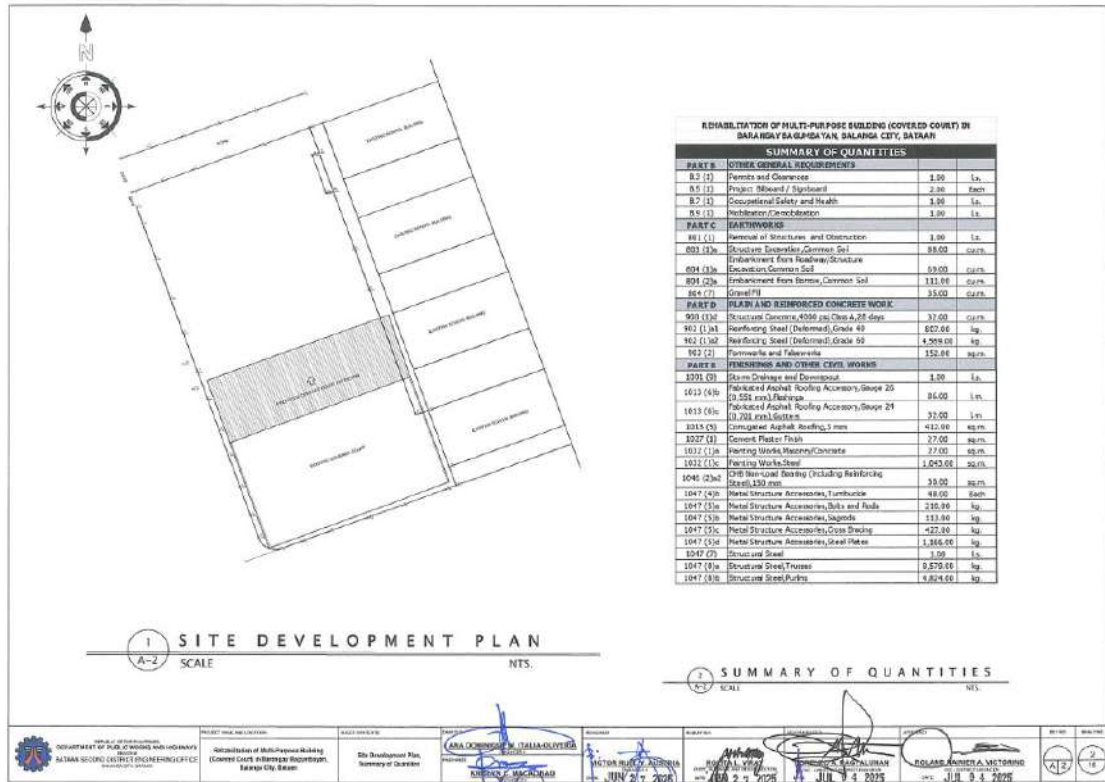
DATE: JUN 27 2025

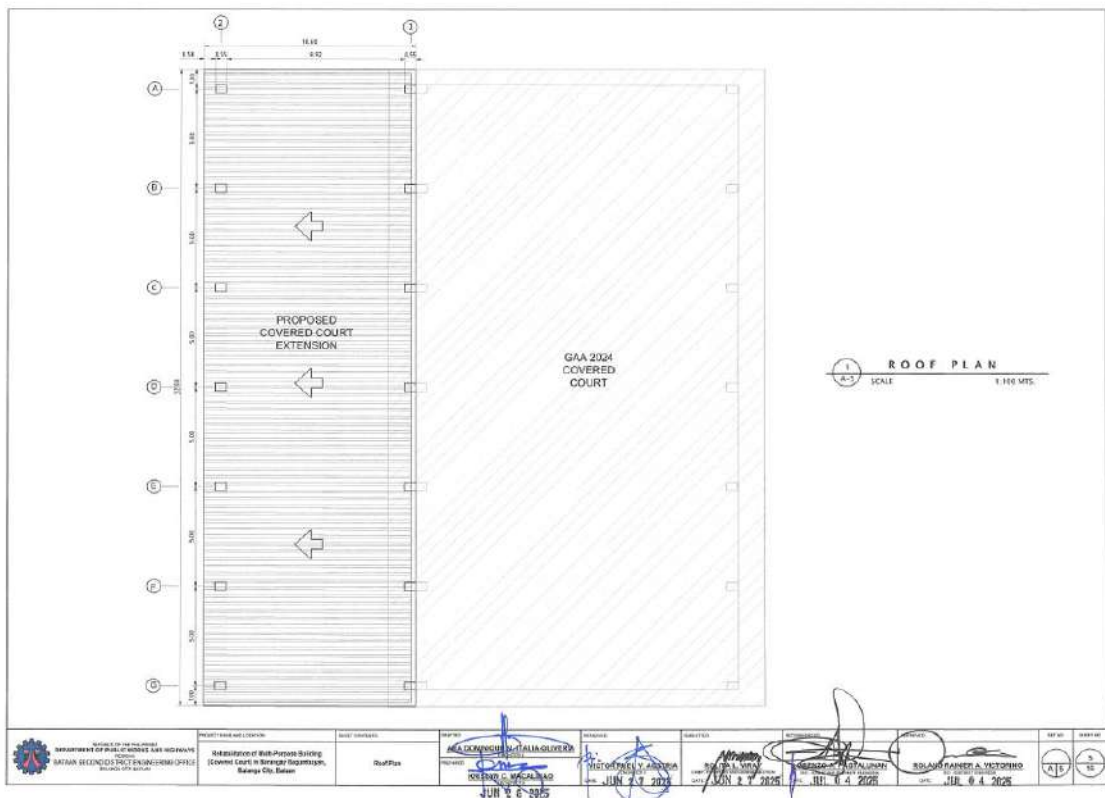
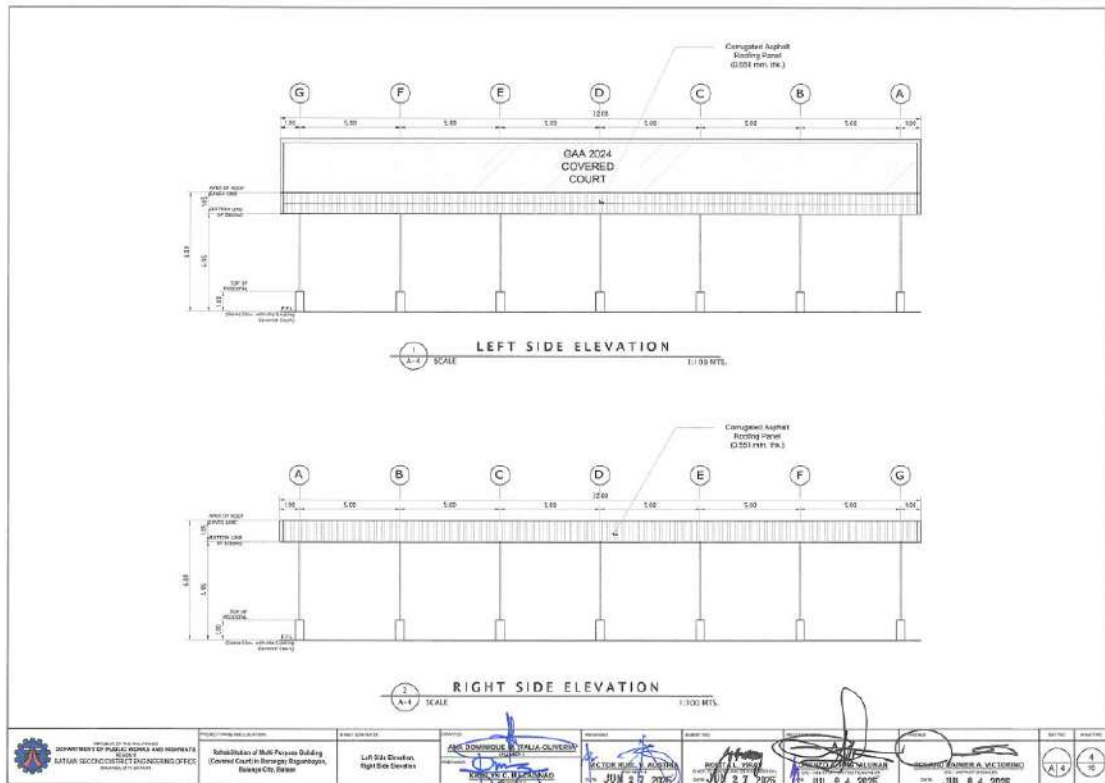
APPROVED:  ROLAND RAINER A. VICTORINO  
CIC - DISTRICT ENGINEER  
DATE: JUL 04 2025

RECOMMENDED:  LORENZO A. PAGTALUNAN  
CIC - ASSISTANT DISTRICT ENGINEER  
DATE: JUL 04 2025

SUBMITTED:  ROULITA L. VIRAY  
CHIEF PLANNING AND DESIGN SECTION  
DATE: JUN 27 2025

DATE: JUN 27 2025



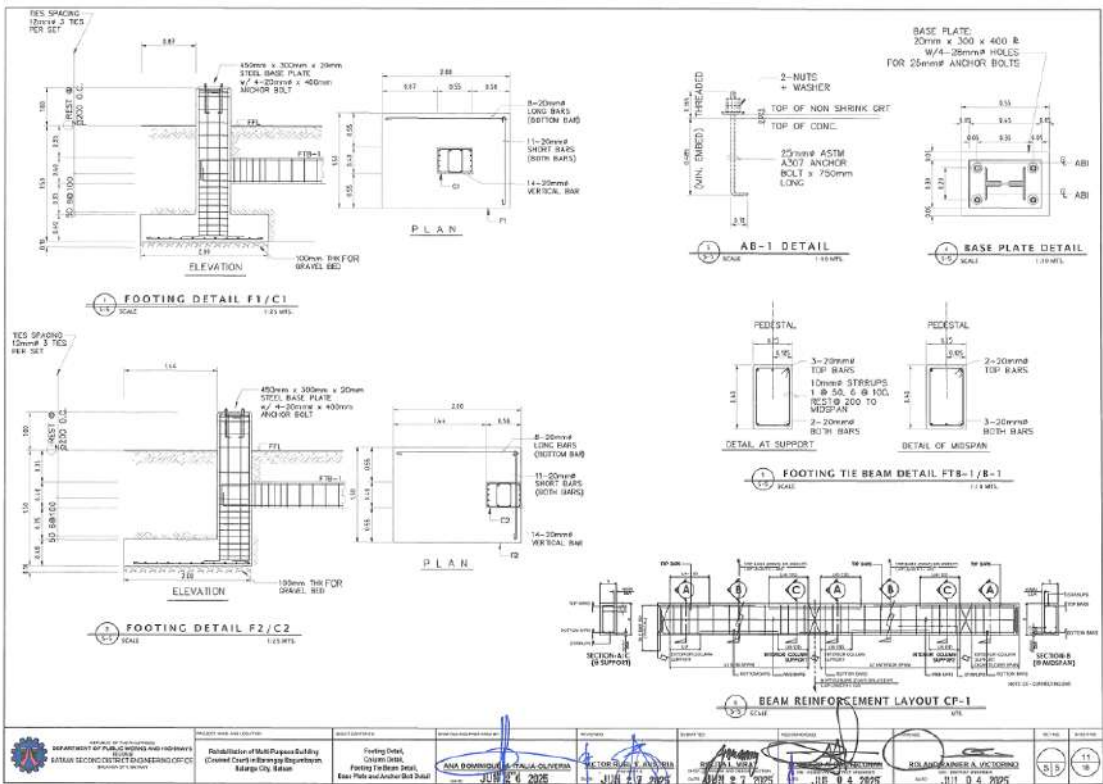
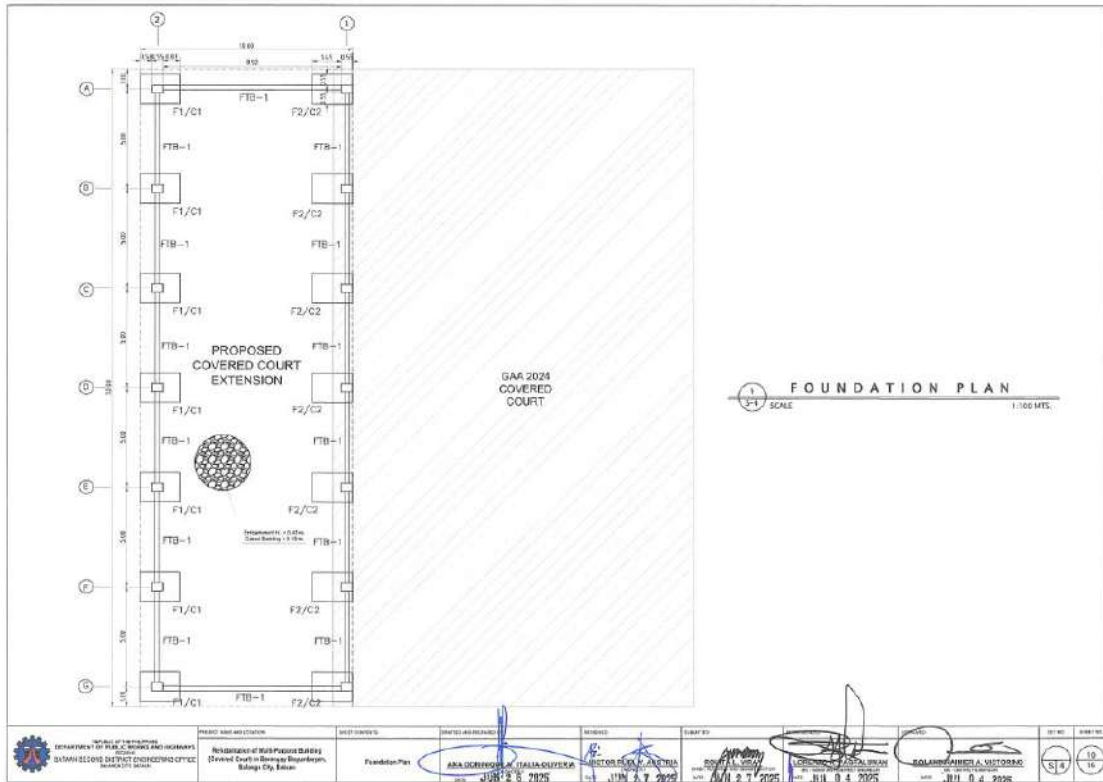


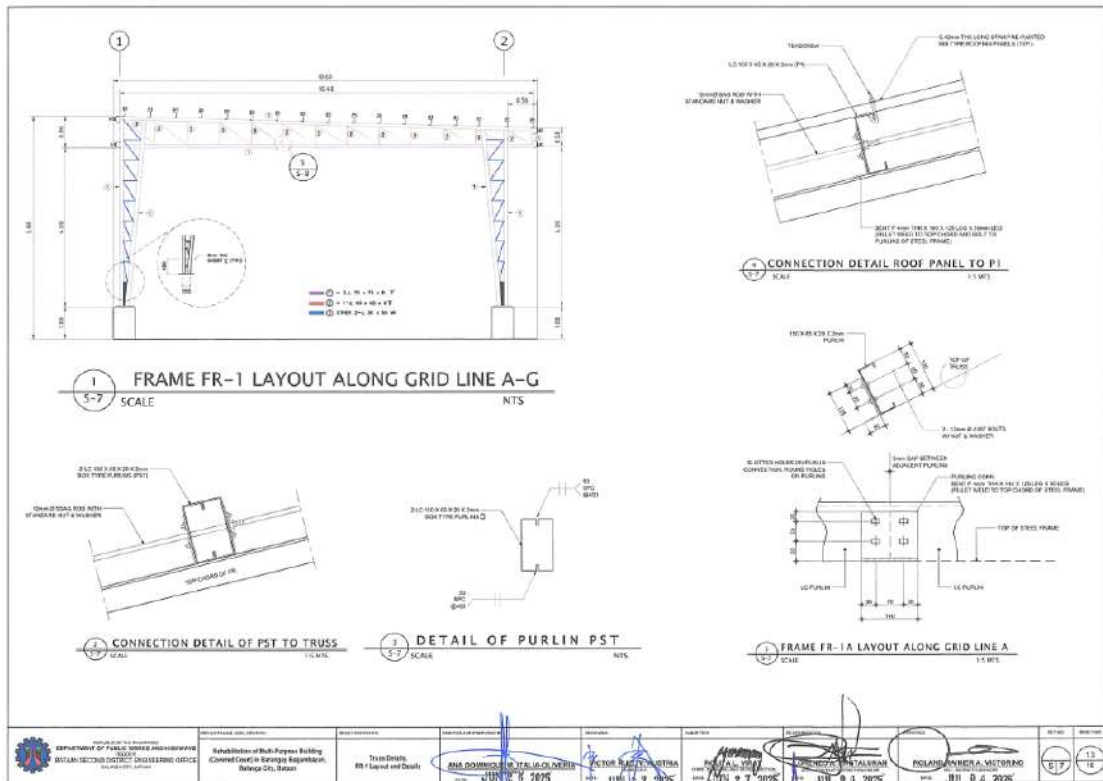
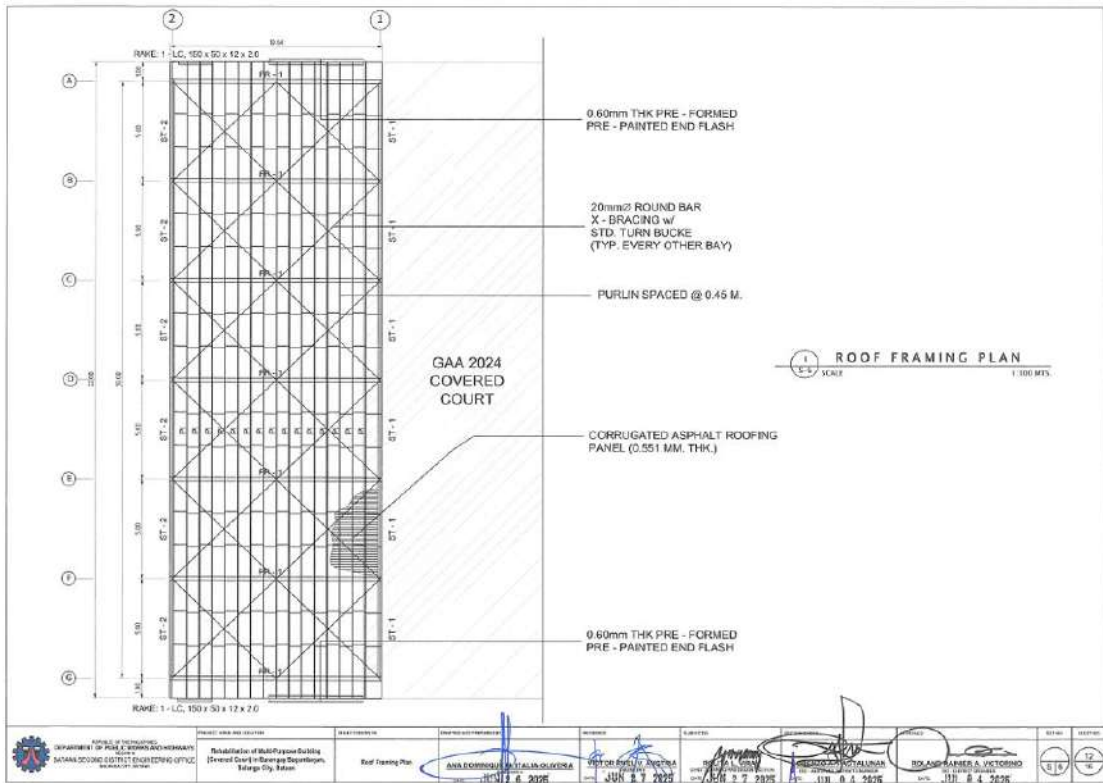
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|--|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------|----------------------------|----------------------------|----------------------|----------------------------|
|  | <b>PROJECT NAME AND LOCATION</b><br>Rehabilitation of Multi-Purpose Building<br>(Covered Court in Barangay Bagumbayan,<br>Marikina City, Rizal) | <b>PROJECT NUMBER</b><br>LRA 2024-001 | <b>DESIGNER</b><br>ARK DOMINIQUE M. TALAGALERA<br>JUN 26 2025 | <b>CHECKER</b><br>MICHELLE M. LARSEN<br>JUN 27 2025 | <b>APPROVER</b><br>ROBERTO A. VICTORINO<br>JUN 27 2025 | <b>DATE</b><br>JUN 27 2025 | <b>SCALE</b><br>1:100 MTS. | <b>REVISION</b><br>1 | <b>DATE</b><br>JUN 27 2025 |
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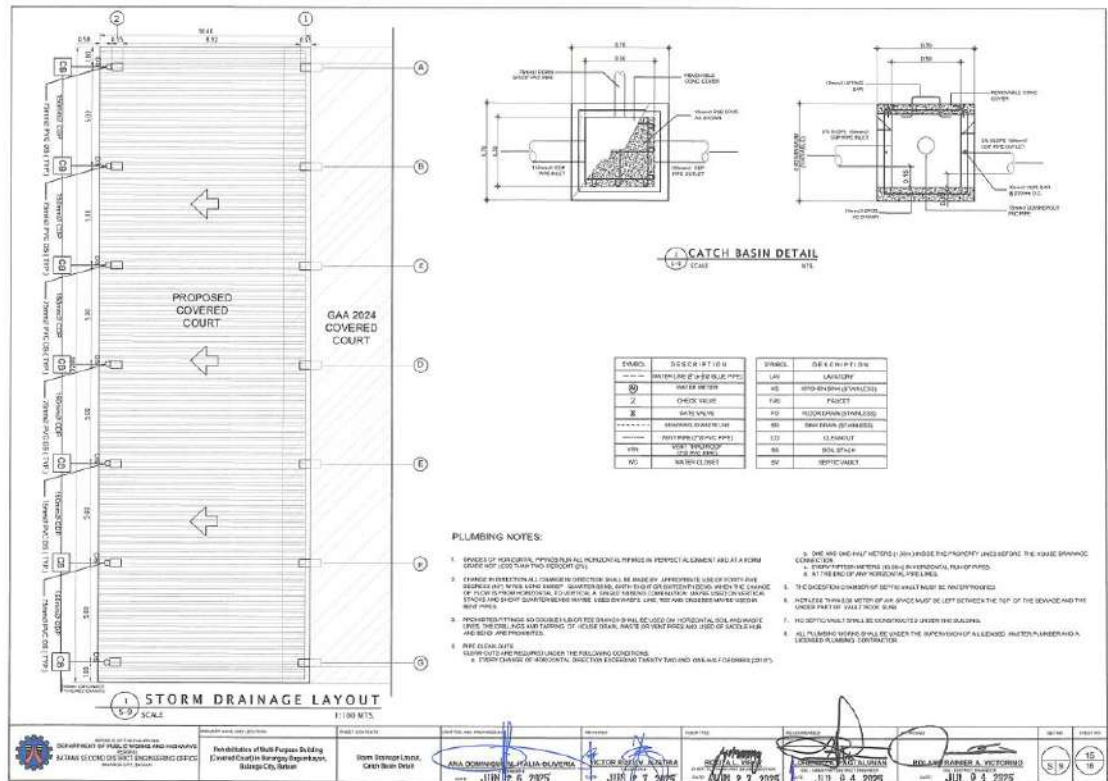
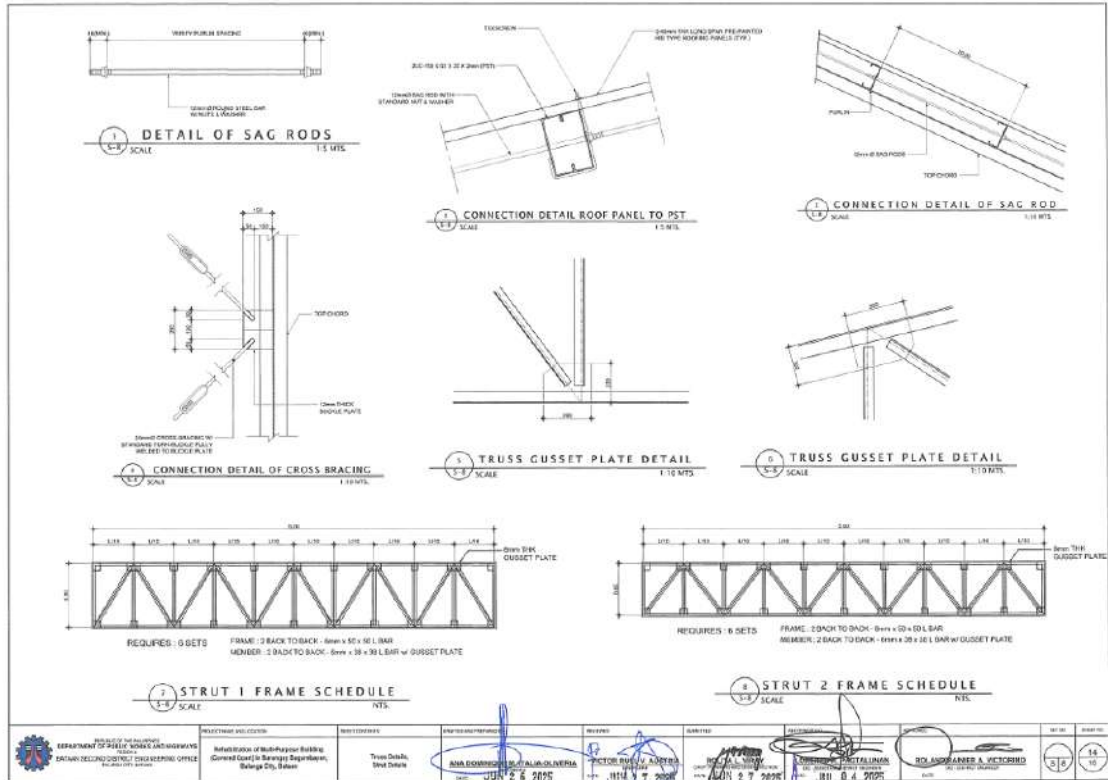
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|--|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------|----------------------------|----------------------------|----------------------|----------------------------|
|  | <b>PROJECT NAME AND LOCATION</b><br>Rehabilitation of Multi-Purpose Building<br>(Covered Court in Barangay Bagumbayan,<br>Marikina City, Rizal) | <b>PROJECT NUMBER</b><br>LRA 2024-001 | <b>DESIGNER</b><br>ARK DOMINIQUE M. TALAGALERA<br>JUN 26 2025 | <b>CHECKER</b><br>MICHELLE M. LARSEN<br>JUN 27 2025 | <b>APPROVER</b><br>ROBERTO A. VICTORINO<br>JUN 27 2025 | <b>DATE</b><br>JUN 27 2025 | <b>SCALE</b><br>1:100 MTS. | <b>REVISION</b><br>1 | <b>DATE</b><br>JUN 27 2025 |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------|----------------------------|----------------------------|----------------------|----------------------------|











  
**THIS IS WHERE YOUR TAXES GO**

**NAME OF PROJECT** \_\_\_\_\_  
**LOCATION** \_\_\_\_\_  
**NAME OF CONTRACTOR** \_\_\_\_\_  
**DATE STARTED** \_\_\_\_\_  
**CONTRACT COMPLETION DATE** \_\_\_\_\_  
**CONTRACT COST** \_\_\_\_\_  
**IMPLEMENTING OFFICE** \_\_\_\_\_  
**SOURCES OF FUND** \_\_\_\_\_

DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
 Tel. (02) 774-2000 to 774-2009; e-mail: dpwh@dpwh.gov.ph

  
 Republic of the Philippines  
 DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS  
 BATAM SECOND DISTRICT ENGINEERING OFFICE  
 SALANGA CITY, BATANGAS REGION III  
 Tel./Fax No.: (047) 791-3050 - (047) 791-3844  
 E-Mail Add: dpwh\_bataan2nd@yahoo.com

**Project:** \_\_\_\_\_ **Cost:** \_\_\_\_\_  
**Location:** \_\_\_\_\_ **Fund Source:** \_\_\_\_\_

**Implementing Agency:** DPWH - Bataan 2nd District Engineering Office  
**Development Partners:** \_\_\_\_\_  
**Contractor/Supplier:** \_\_\_\_\_  
**Brief Description of Project:** \_\_\_\_\_

**Project Details:**

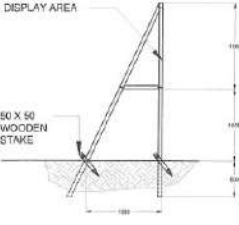
| Project Date |         |                           | Project Status           |              |                       | Remarks |
|--------------|---------|---------------------------|--------------------------|--------------|-----------------------|---------|
| Duration     | Started | Target Date of Completion | Percentage of Completion | As of (Date) | Cost Incurred to Date |         |
|              |         |                           |                          |              |                       |         |

For accurate completion status, the project should be reported to the Regional Office or District Office via email/online or on-site.

DOA Regional Office No./Cluster: III / 7  
 Address: Nampipi, City of San Fernando, Pampanga  
 Contact No.: (045) - 455 - 4271 or Text COA Citizens Desk at 0915-5301957

  
**DPWH BILLBOARD DETAILS**  
 SCALE \_\_\_\_\_ NTS

**DISPLAY AREA**



50 X 50 WOODEN STAKE

**DISPLAY AREA**  
 (TARPAULIN ON 1200 X 2400 X 6 MARINE PLYWOOD)



50 X 50 WOODEN STAKE

  
**DETAILS OF PROJECT BILLBOARD**  
 SCALE \_\_\_\_\_ NTS

  
**COA BILLBOARD DETAILS**  
 SCALE \_\_\_\_\_ NTS

NOTE: For the information and guidance of the public about the ongoing project being undertaken by the DPWH, project billboards shall be installed in all project sites following the guidelines of the "Letus" Department Orders, Special Provisions and/or issuances as verified by the Engineer.

| BILLBOARD SCHEDULE |          |                  |
|--------------------|----------|------------------|
| TYPE               | QUANTITY | LOCATION         |
| DPWH Billboards    | 1        | PROJECT LOCATION |
| COA Billboards     | 1        | PROJECT LOCATION |
| <b>Total</b>       | <b>2</b> |                  |

|                                                                                                                                                                                                                                   |                                                                                                                     |                                                                       |                                  |                                 |                                  |                                  |                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|
| <br>REPUBLIC OF THE PHILIPPINES<br>DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS<br>BATAM SECOND DISTRICT ENGINEERING OFFICE<br>SALANGA CITY, BATANGAS | REPRESENTATIVE OF MULTI-PURPOSE BUILDING<br>General Office in Regional Engineering Office<br>Salanga City, Batangas | PROJECT ENGINEER<br>Project Billboard Details<br>_____<br>JUN 15 2025 | REVIEWER<br>_____<br>JUN 15 2025 | CHECKER<br>_____<br>JUN 15 2025 | APPROVED<br>_____<br>JUN 15 2025 | REVIEWER<br>_____<br>JUN 15 2025 | APPROVED<br>_____<br>JUN 15 2025 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|

## Department of Public Works and Highways

Contract ID : **25CB0125**  
Contract Name : **Rehabilitation of Multi-Purpose Building (Covered Court) in Barangay Bagumbayan, Balanga City, Bataan**  
Location of the Contract : **Balanga City, Bataan**

## BILL OF QUANTITIES

|                 |                          |
|-----------------|--------------------------|
| <b>Part No.</b> | <b>Part Description:</b> |
|-----------------|--------------------------|

| (Columns (1), (2), (3), and (4) are to be filled up by the Procuring Entity) |                                      |       |          | (Columns (5) and (6) are to be filled up by the Bidder) |                                   |
|------------------------------------------------------------------------------|--------------------------------------|-------|----------|---------------------------------------------------------|-----------------------------------|
| Pay Item No.                                                                 | Description                          | Unit  | Quantity | Unit Price (Pesos)                                      | Amount (Pesos)                    |
| (1)                                                                          | (2)                                  | (3)   | (4)      | (5)                                                     | (6)                               |
| <b>PART B</b>                                                                | <b>OTHER GENERAL REQUIREMENTS</b>    |       |          |                                                         |                                   |
| B.3(1)                                                                       | Permits and Clearances               | l.s.  | 1.00     | In words: Pesos<br>_____<br>In figures: Php _____       | In figures: Php<br>_____<br>_____ |
| B.5(1)                                                                       | Project Billboard / Signboard        | each  | 2.00     | In words: Pesos<br>_____<br>In figures: Php _____       | In figures: Php<br>_____<br>_____ |
| B.7(1)                                                                       | Occupational Safety & Health         | l.s.  | 1.00     | In words: Pesos<br>_____<br>In figures: Php _____       | In figures: Php<br>_____<br>_____ |
| B.9(1)                                                                       | Mobilization/ Demobilization         | l.s.  | 1.00     | In words: Pesos<br>_____<br>In figures: Php _____       | In figures: Php<br>_____<br>_____ |
| <b>TOTAL OF PART B</b>                                                       |                                      |       |          |                                                         |                                   |
| <b>PART C</b>                                                                | <b>EARTHWORKS</b>                    |       |          |                                                         |                                   |
| 801(1)                                                                       | Removal of Structure and Obstruction | l.s.  | 1.00     | In words: Pesos<br>_____<br>In figures: Php _____       | In figures: Php<br>_____<br>_____ |
| 803(1)a                                                                      | Structure Excavation, Common Soil    | cu.m. | 88.00    | In words: Pesos<br>_____<br>In figures: Php _____       | In figures: Php<br>_____<br>_____ |

| Pay Item No.           | Description                                                | Unit  | Quantity | Unit Price (Pesos)                                | Amount (Pesos)                    |
|------------------------|------------------------------------------------------------|-------|----------|---------------------------------------------------|-----------------------------------|
| (1)                    | (2)                                                        | (3)   | (4)      | (5)                                               | (6)                               |
| 804(1)a                | Embankment from Roadway /Structure Excavation, Common Soil | cu.m. | 69.00    | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 804(2)a                | Embankment from Borrow, Common Soil                        | cu.m. | 111.00   | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 804(7)                 | Gravel Fill                                                | cu.m. | 35.00    | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| <b>TOTAL OF PART C</b> |                                                            |       |          |                                                   |                                   |
| <b>PART D</b>          | <b>PLAIN AND REINFORCED CONCRETE WORK</b>                  |       |          |                                                   |                                   |
| 900(1)d                | Structural Concrete, 4000 psi, Class A, 28 days            | cu.m. | 32.00    | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 902(1)a1               | Reinforcing Steel (Deformed), Grade 40                     | kg.   | 807.00   | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 902(1)a2               | Reinforcing Steel (Deformed), Grade 60                     | kg.   | 4,569.00 | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 903(2)                 | Formworks and Flaseworks                                   | sq.m. | 152.00   | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| <b>TOTAL OF PART D</b> |                                                            |       |          |                                                   |                                   |
| <b>PART E</b>          | <b>FINISHING AND OTHER CIVIL WORKS</b>                     |       |          |                                                   |                                   |
| 1001(9)                | Storm Drainage and Downspout                               | l.s.  | 1.00     | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |

| Pay Item No.  | Description                                                          | Unit  | Quantity | Unit Price (Pesos)                                | Amount (Pesos)                    |
|---------------|----------------------------------------------------------------------|-------|----------|---------------------------------------------------|-----------------------------------|
| (1)           | (2)                                                                  | (3)   | (4)      | (5)                                               | (6)                               |
| 1013(6)b      | Fabricated Asphalt Roofing Accessory, Gauge 26 (0.551 mm), Flashings | l.m.  | 86.00    | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 1013(6)c      | Fabricated Asphalt Roofing Accessory, Gauge 24 (0.701 mm), Gutters   | l.m.  | 32.00    | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 1013(5)       | Corrugated Asphalt Roofing, 3 mm                                     | sq.m. | 412.00   | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 1027(1)       | Cement Plaster Finish                                                | sq.m. | 27.00    | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 1032(1)a      | Painting Works, Masonry/ Concrete                                    | sq.m. | 27.00    | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 1032(1)c      | Painting Works, Steel                                                | sq.m. | 1,043.00 | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 1046(2)<br>a2 | CHB Non-Load Bearing (including Reinforcing Steel), 150 mm           | sq.m. | 30.00    | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 1047(4)b      | Metal Structure Accessories, Turnbuckle                              | each  | 48.00    | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 1047(5)a      | Metal Structure Accessories, Bolts and Rods                          | kg.   | 210.00   | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |

| Pay Item No.           | Description                                | Unit | Quantity | Unit Price (Pesos)                                   | Amount (Pesos)                                       |
|------------------------|--------------------------------------------|------|----------|------------------------------------------------------|------------------------------------------------------|
| (1)                    | (2)                                        | (3)  | (4)      | (5)                                                  | (6)                                                  |
| 1047(5)b               | Metal Structure Accessories, Sagrods       | kg.  | 113.00   | In words: Pesos<br>_____<br>In figures: Php<br>_____ | In figures: Php<br>_____<br>_____                    |
| 1047(5)c               | Metal Structure Accessories, Cross Bracing | kg.  | 427.00   | In words: Pesos<br>_____<br>In figures: Php<br>_____ | In figures: Php<br>_____<br>_____                    |
| 1047(5)d               | Metal Structure Accessories, Steel Plates  | kg.  | 1,166.00 | In words: Pesos<br>_____<br>In figures: Php<br>_____ | In figures: Php<br>_____<br>_____                    |
| 1047(7)                | Structural Steel                           | l.s. | 1.00     | In words: Pesos<br>_____<br>In figures: Php<br>_____ | In figures: Php<br>_____<br>_____                    |
| 1047(8)a               | Structural Steel, Trusses                  | kg.  | 8,579.00 | In words: Pesos<br>_____<br>In figures: Php<br>_____ | In figures: Php<br>_____<br>_____                    |
| 1047(8)b               | Structural Steel, Purlins                  | kg.  | 4,824.00 | In words: Pesos<br>_____<br>In figures: Php<br>_____ | In figures: Php<br>_____<br>_____                    |
| <b>TOTAL OF PART E</b> |                                            |      |          |                                                      |                                                      |
| <b>GRAND TOTAL</b>     |                                            |      |          |                                                      | In words: Pesos<br>_____<br>In figures: Php<br>_____ |

Submitted by:

Name and Signature of Bidder's Representative Date: \_\_\_\_\_

Position

Name of Bidder

**Department of Public Works and Highways**

Contract ID : **25CB0125**  
Contract Name : **Rehabilitation of Multi-Purpose Building (Covered Court) in  
Barangay Bagumbayan, Balanga City, Bataan**  
Location of the Contract : **Balanga City, Bataan**

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**SUMMARY OF BID PRICE**

(All Parts of Bill of Quantities)

| <b>Part No.</b>         | <b>Part Description</b>            | <b>Total Amount</b> |
|-------------------------|------------------------------------|---------------------|
| PART B                  | OTHER GENERAL REQUIREMENTS         |                     |
| PART C                  | EARTHWORKS                         |                     |
| PART D                  | PLAIN AND REINFORCED CONCRETE WORK |                     |
| PART E                  | FINISHING AND OTHER CIVIL WORKS    |                     |
| <b>Total<br/>Amount</b> | <b>In Words:</b>                   | <b>In Figure:</b>   |
| <b>Duration</b>         |                                    |                     |

Submitted by:

Name and Signature of Bidder's Representative Date: \_\_\_\_\_

Position

Name of Bidder

**Department of Public Works and Highways**

Contract ID : **25CB0126**  
 Contract Name : **Rehabilitation of Multi-Purpose Building (Covered Court),  
 Barangay Bantan, Orion, Bataan**  
 Location of the Contract : **Orion, Bataan**

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## Bid Data Sheet

| ITB Clause                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--|---------------|--------------------|---------------------|---------------------|------------|-------------|-----------------------------|---|-------------|----------------|---|-------------|----------------|------------|-------------|------------|-----------|--------------|-----------------|------|-------------|-------------------|---|--------------|---------------|---------------|-------------|------------|---|-------------|------------|---|-------------|------------------|---|-------------|
| 5.2                         | For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be:<br><br><b>Major Category</b><br><i>Buildings: Construction – without Piles – Low Rise – concrete (Frame) (1 to 5 Storeys)</i><br><br><b>Similar Category</b><br><div><div><i>BICWPHCCP</i><br/><i>BICWPLCCP</i><br/><i>BICWPHCDP</i><br/><i>BICWPLCDP</i></div><div><i>BIL</i><br/><i>BIH</i><br/><i>BIM</i><br/><i>BICWOPHC</i></div></div>                                                                                                                                                                                                                                                                                                                                                                                                             |                     |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
| 7.1                         | <i>[Specify the portions of Works and the maximum percentage allowed to be subcontracted, which shall not be significant or material components of the Project as determined by the Procuring Entity.]</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                     |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
| 10.3                        | <i>[Specify if another Contractor license or permit is required.]</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                     |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
| 10.4                        | The key personnel must meet the required minimum years of experience set below: <table><tr><th>Key Personnel</th><th>General Experience</th><th>Relevant Experience</th></tr><tr><td>Project Manager</td><td>5</td><td>3</td></tr><tr><td>Accredited Project Engineer</td><td>4</td><td>2</td></tr><tr><td>Foreman</td><td>4</td><td>2</td></tr><tr><td>Safety Officer</td><td>1</td><td>1</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |  | Key Personnel | General Experience | Relevant Experience | Project Manager     | 5          | 3           | Accredited Project Engineer | 4 | 2           | Foreman        | 4 | 2           | Safety Officer | 1          | 1           |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
| Key Personnel               | General Experience                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Relevant Experience |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
| Project Manager             | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                   |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
| Accredited Project Engineer | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                   |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
| Foreman                     | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2                   |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
| Safety Officer              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1                   |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
| 10.5                        | The minimum major equipment requirements are the following: <table><tr><th>Equipment</th><th>Capacity</th><th>Number of Units</th></tr><tr><td>Truck Mounted Crane</td><td>21-25 m.t.</td><td>One(1) unit</td></tr><tr><td>Welding Machine</td><td>-</td><td>One(1) unit</td></tr><tr><td>Cutting Outfit</td><td>-</td><td>One(1) unit</td></tr><tr><td>Backhoe</td><td>0.80 cu.m.</td><td>One(1) unit</td></tr><tr><td>Dump Truck</td><td>12 cu.yd.</td><td>Two(2) units</td></tr><tr><td>Plate Compactor</td><td>5 hp</td><td>One(1) unit</td></tr><tr><td>Concrete Vibrator</td><td>-</td><td>Two(2) units</td></tr><tr><td>Concrete Pump</td><td>10 cu.ft./min</td><td>One(1) unit</td></tr><tr><td>Bar Cutter</td><td>-</td><td>One(1) unit</td></tr><tr><td>Bar Bender</td><td>-</td><td>One(1) unit</td></tr><tr><td>One Bagger Mixer</td><td>-</td><td>One(1) unit</td></tr></table> |                     |  | Equipment     | Capacity           | Number of Units     | Truck Mounted Crane | 21-25 m.t. | One(1) unit | Welding Machine             | - | One(1) unit | Cutting Outfit | - | One(1) unit | Backhoe        | 0.80 cu.m. | One(1) unit | Dump Truck | 12 cu.yd. | Two(2) units | Plate Compactor | 5 hp | One(1) unit | Concrete Vibrator | - | Two(2) units | Concrete Pump | 10 cu.ft./min | One(1) unit | Bar Cutter | - | One(1) unit | Bar Bender | - | One(1) unit | One Bagger Mixer | - | One(1) unit |
| Equipment                   | Capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Number of Units     |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
| Truck Mounted Crane         | 21-25 m.t.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | One(1) unit         |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
| Welding Machine             | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | One(1) unit         |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
| Cutting Outfit              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | One(1) unit         |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
| Backhoe                     | 0.80 cu.m.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | One(1) unit         |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
| Dump Truck                  | 12 cu.yd.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Two(2) units        |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
| Plate Compactor             | 5 hp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | One(1) unit         |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
| Concrete Vibrator           | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Two(2) units        |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
| Concrete Pump               | 10 cu.ft./min                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | One(1) unit         |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
| Bar Cutter                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | One(1) unit         |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
| Bar Bender                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | One(1) unit         |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |
| One Bagger Mixer            | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | One(1) unit         |  |               |                    |                     |                     |            |             |                             |   |             |                |   |             |                |            |             |            |           |              |                 |      |             |                   |   |              |               |               |             |            |   |             |            |   |             |                  |   |             |



C.Y. 2025 PROJECT  
DETAILED ENGINEERING DESIGN PLAN FOR  
**REHABILITATION OF MULTI-PURPOSE BUILDING (COVERED COURT),  
BARANGAY BANTAN, ORION, BATAAN**

SUBMITTED

ROLITA L. WRAY  
CHIEF, PLANNING AND DESIGN SECTION  
DATE: JUL 04 2025

**RECOMMENDED**

LORENZO A. PAGTALUNAN  
DIC - ASSISTANT DISTRICT ENGINEER  
DATE JUL 08 2025

APPROVED:

ROLAND RAINIER A. VICTORINO  
OIC - DISTRICT ENGINEER  
DATE JUL 08 2025



1 PERSPECTIVE

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REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF PUBLIC WORKS  
AND HIGHWAYS

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OFFICE OF THE DISTRICT OFFICIAL  
CITY DISTRICT MUNICIPALITY

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(LAND USE & ZONING)

LINE AND GRADE

2024-10-16

## ABSTRACT

## DISCUSSION

ELECTRONIC

MECHANICAL

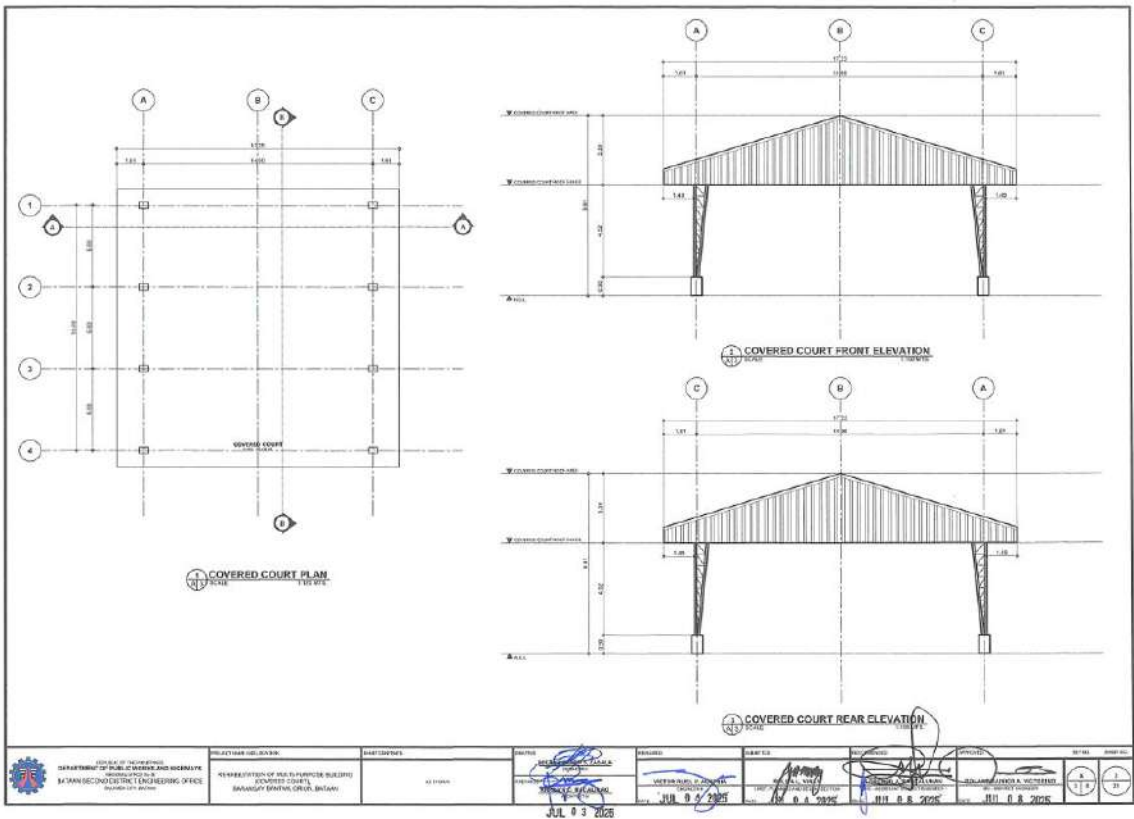
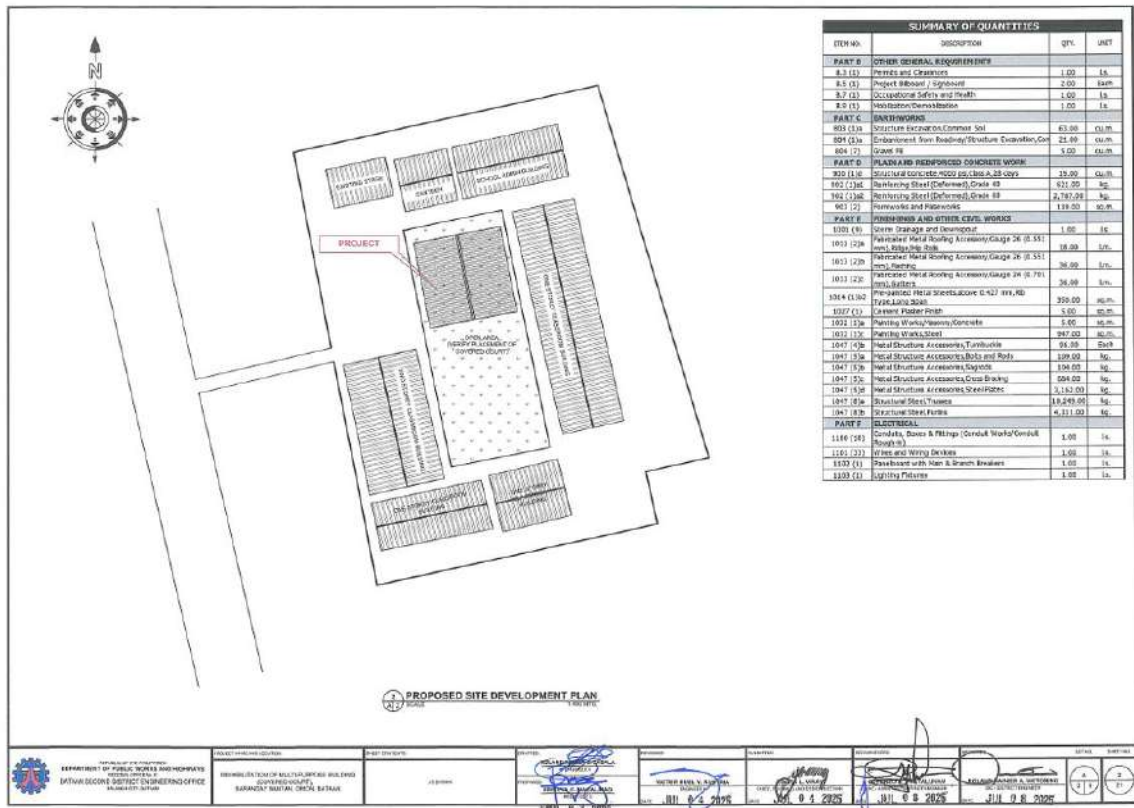


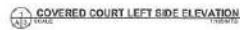
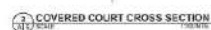
**VICINITY MAP**

SCALE: 1" = 1 MILE

SCOPE OF WORKS:  
- CONSTRUCTION OF COVERED COURT (VERIFY WITH POW)

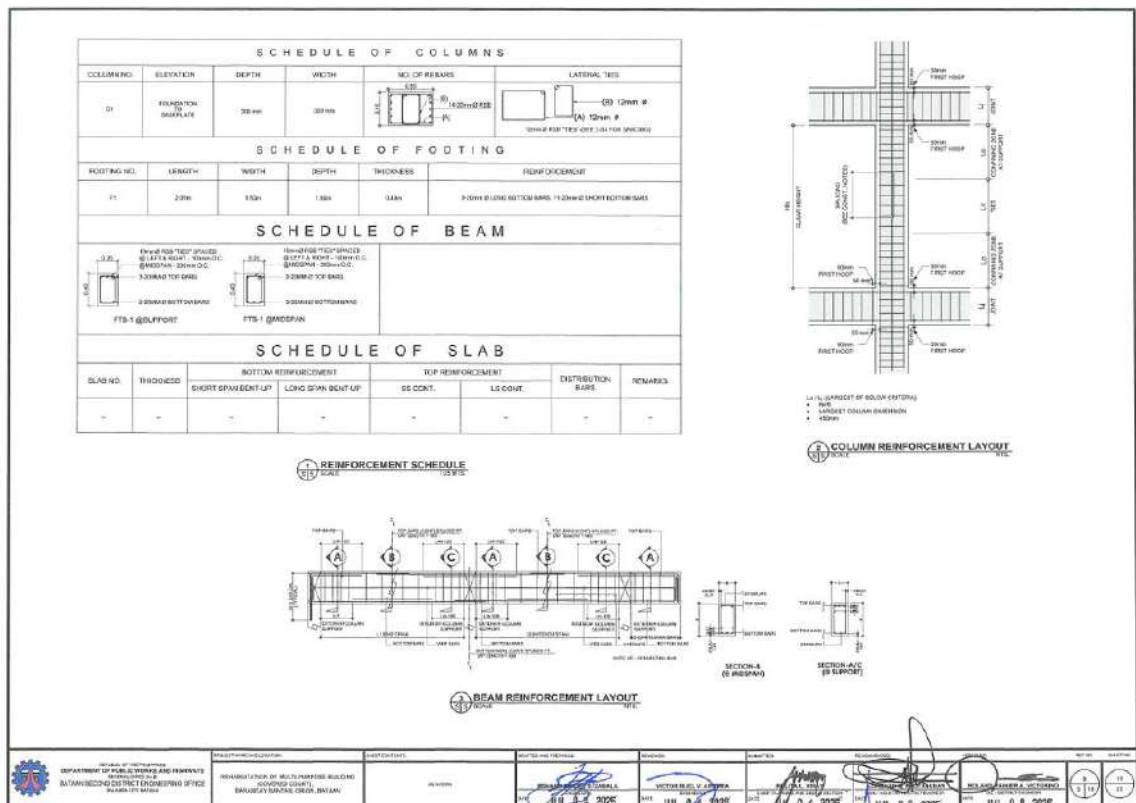
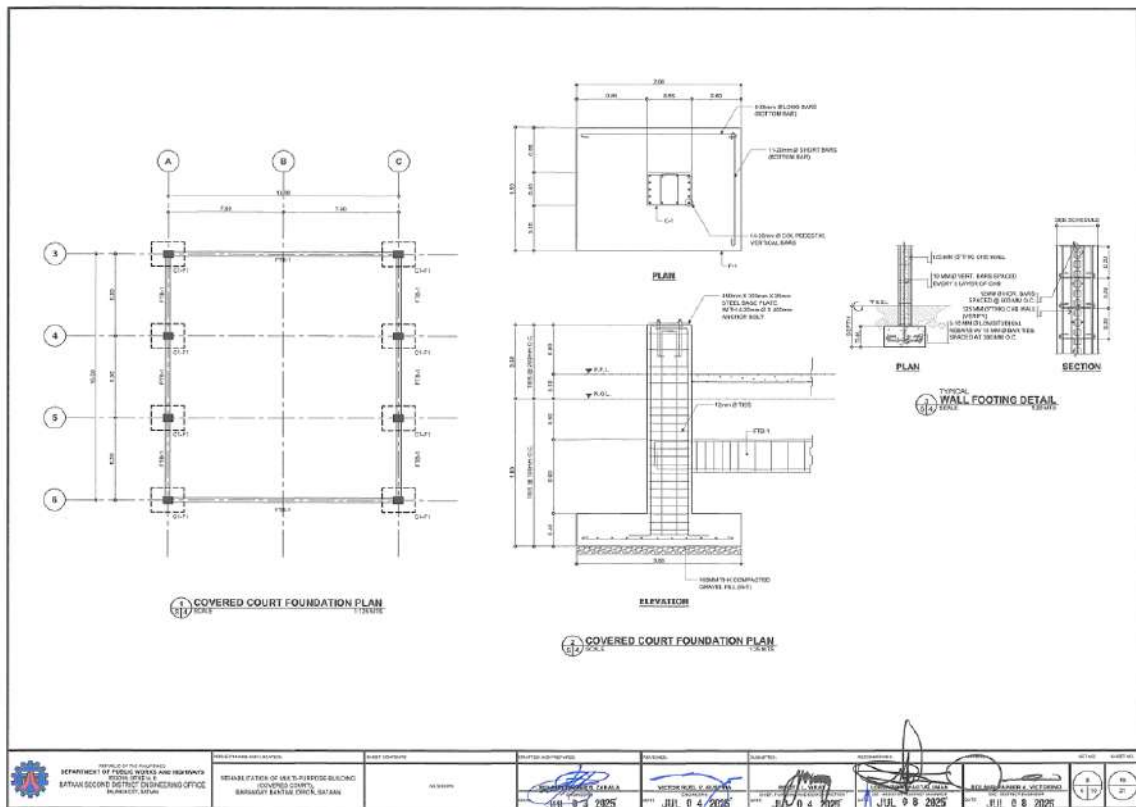
|                                                                                                                                                                                                                                                                                                                          |                                                                              |                |                                                                                                    |                                                                                                    |                                                                                                      |                                                                                                      |                                                                                                      |                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
|  <p>         REPUBLIC OF THE PHILIPPINES<br/>         DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS<br/>         REGIONAL OFFICE III<br/>         BATANGAS SECOND DISTRICT ENGINEERING OFFICE<br/>         (BANGAS 2DO DISTRICT)       </p> | PROJECT NAME/DESCRIPTION                                                     | SMALL COMMENTS | APPROVED BY                                                                                        | DATE                                                                                               | REMARKS                                                                                              | REVISIONS                                                                                            | DATE                                                                                                 | REMARKS                                                                                              |
|                                                                                                                                                                                                                                                                                                                          | REPAIR/RECONSTRUCTION OF ROAD 9.4 KILOMETER (RURAL)<br>(BANGAS 2DO DISTRICT) | NO. 00000000   | <br>JUL 07 2025 | <br>JUL 07 2025 | <br>JUL 08 2025 | <br>JUL 08 2025 | <br>JUL 08 2025 | <br>JUL 08 2025 |



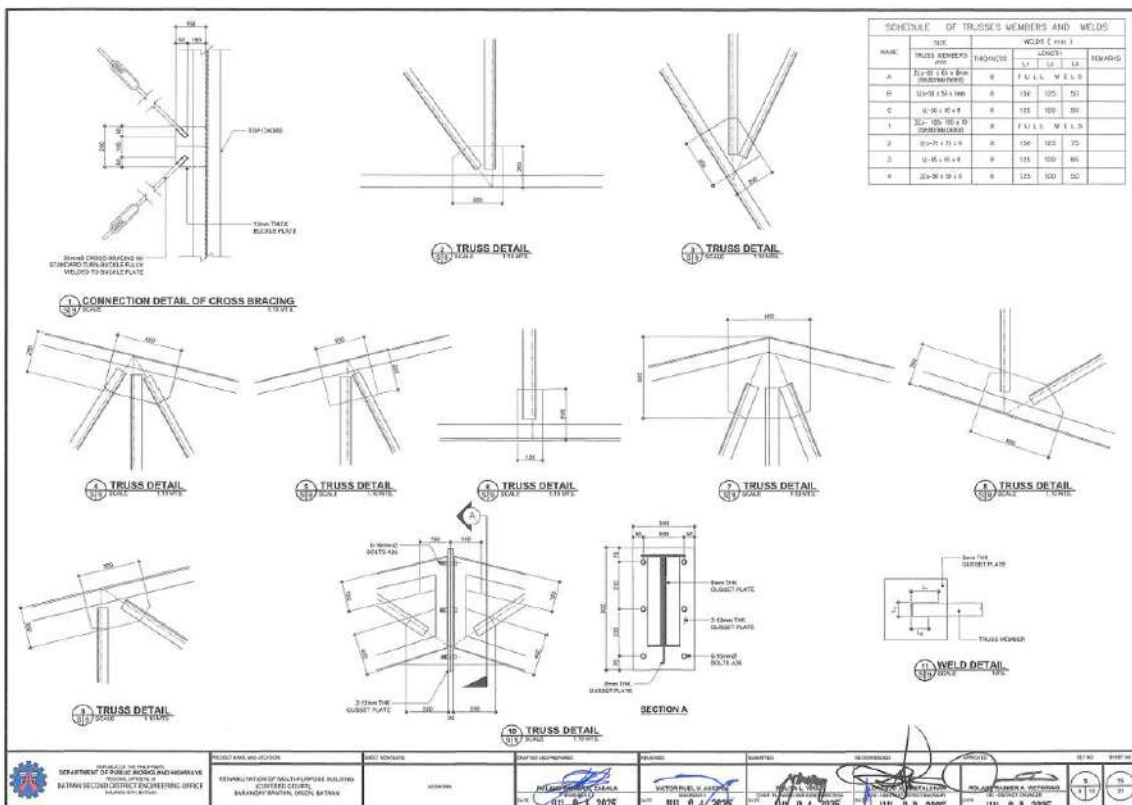
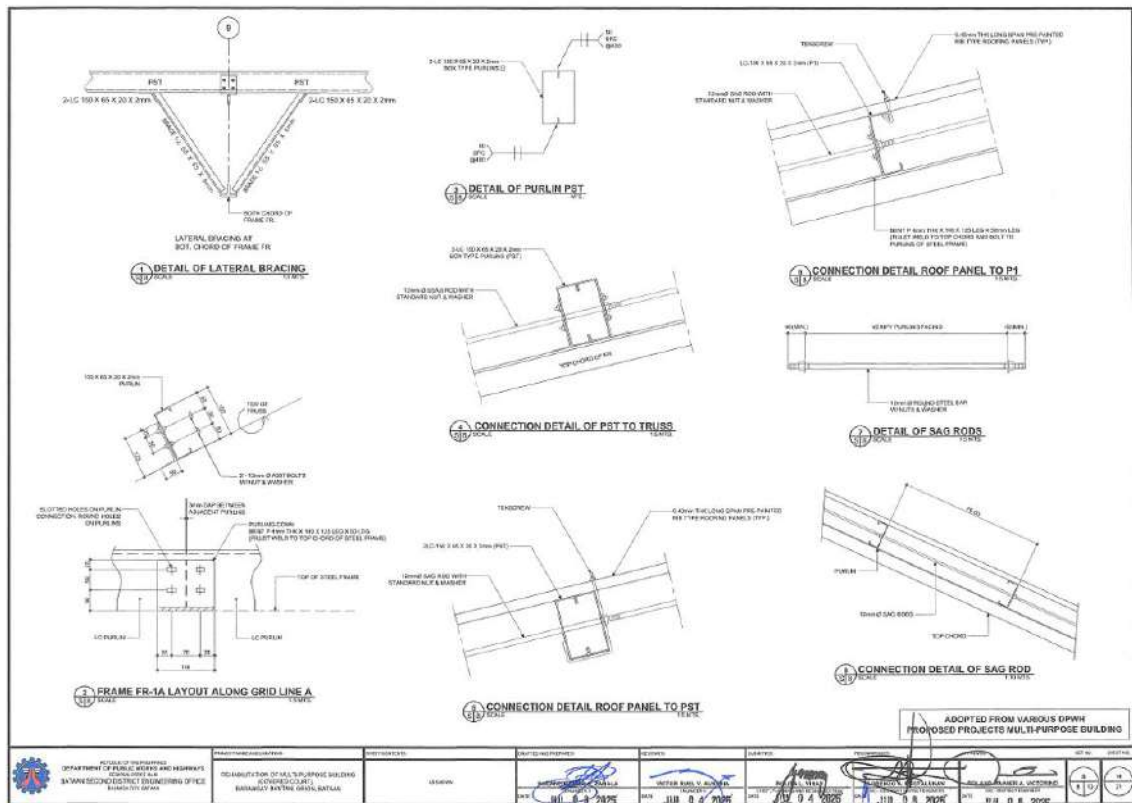
JUL 03 2025JUL 0 1 2024



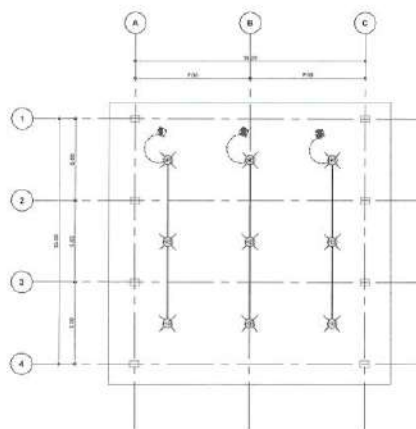




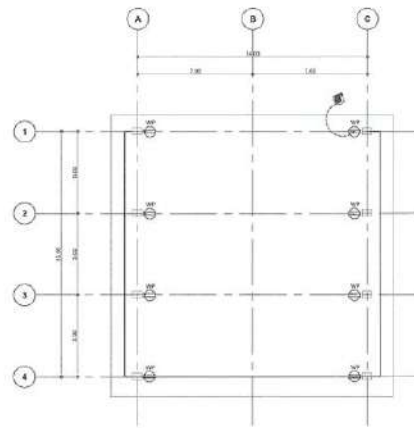






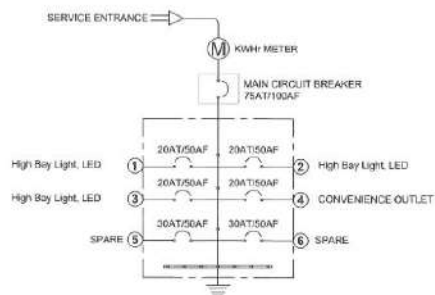


1 COVERED COURT LIGHTING LAYOUT



2 COVERED COURT POWER LAYOUT

|  |                                                                                                             |               |                  |                       |                         |                          |                  |
|--|-------------------------------------------------------------------------------------------------------------|---------------|------------------|-----------------------|-------------------------|--------------------------|------------------|
|  | PROJECT NAME: RECONSTRUCTION OF MULTI-PURPOSE BUILDING (COVERED COURT), BANGKAY BRANCH OFFICE, BANGKAY CITY | SHEET NO.: 11 | DATE: 03/03/2025 | DRAWN BY: [Signature] | CHECKED BY: [Signature] | APPROVED BY: [Signature] | DATE: 03/03/2025 |
|  | PROJECT NO.: 11                                                                                             | SHEET NO.: 11 | DATE: 03/03/2025 | DRAWN BY: [Signature] | CHECKED BY: [Signature] | APPROVED BY: [Signature] | DATE: 03/03/2025 |



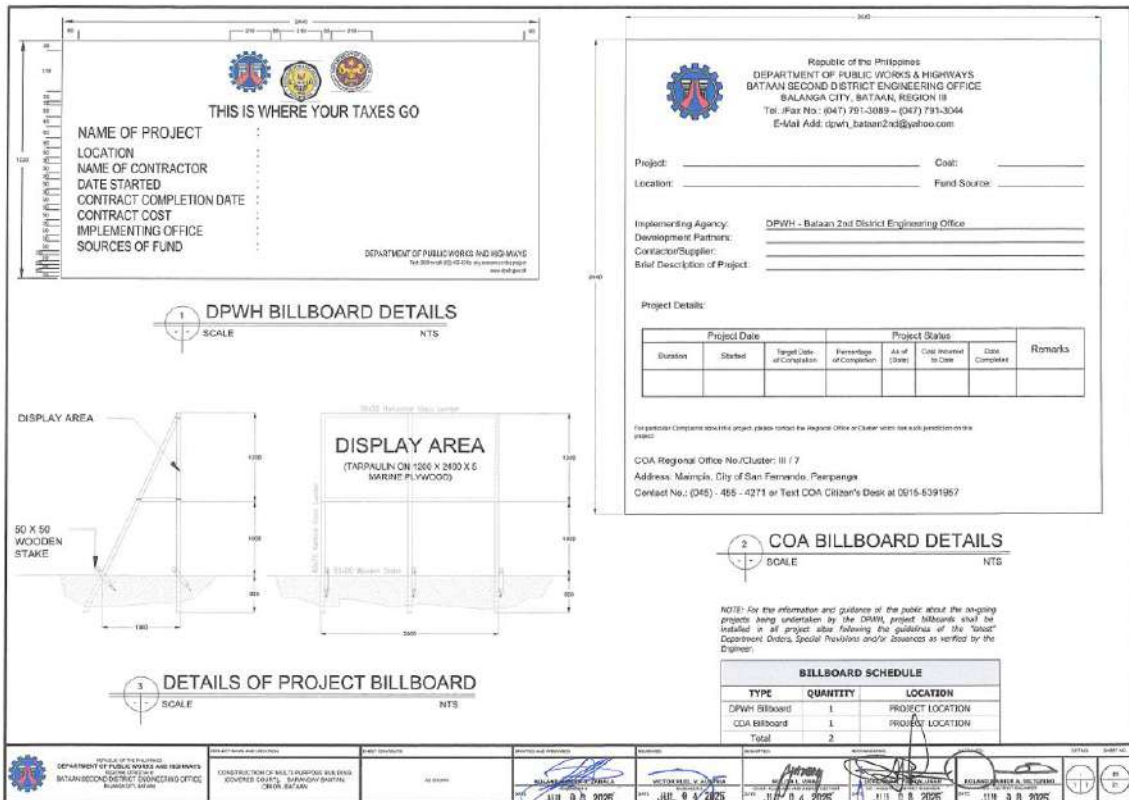
1 PANEL DETAILS

| SERIAL NO. | DESCRIPTION        | NO. OF OUTLET | NO. OF OUTLET | UNIT | WATT | VOLTS | LOAD AMPERE | PROTECTION FOR CIRCUIT | AMPERE RATING | SIZE OF WIRE (CONDUCTOR)              |
|------------|--------------------|---------------|---------------|------|------|-------|-------------|------------------------|---------------|---------------------------------------|
| 1          | High Bay Light LED | 2             |               | 300  | 120  | 3.6   | 36          | 30                     | 30            | 2.5mm <sup>2</sup> THHN/CU 20mm R.PVC |
| 2          | High Bay Light LED | 2             |               | 300  | 120  | 3.6   | 36          | 30                     | 30            | 2.5mm <sup>2</sup> THHN/CU 20mm R.PVC |
| 3          | High Bay Light LED | 2             |               | 300  | 120  | 3.6   | 36          | 30                     | 30            | 2.5mm <sup>2</sup> THHN/CU 20mm R.PVC |
| 4          | CONVENIENCE OUTLET | 2             |               | 200  | 120  | 1.6   | 16          | 16                     | 16            | 2.5mm <sup>2</sup> THHN/CU 20mm R.PVC |
| 5          | SPARE              |               |               |      |      |       |             |                        |               |                                       |
| 6          | SPARE              |               |               |      |      |       |             |                        |               |                                       |
| TOTAL      |                    |               |               |      |      |       | 24.0        |                        |               |                                       |

$I_{Total} = 24.0 \times 0.85 = 20.4 \text{ A}$   
 U.S.E. 75AT/100 AF MCCB FEEDER: 2.5mm<sup>2</sup> THHN + 6.0mm<sup>2</sup> THHN (IN 40mm DIA. PVC)

2 SCHEDULE OF LOADS

|  |                                                                                                             |               |                  |                       |                         |                          |                  |
|--|-------------------------------------------------------------------------------------------------------------|---------------|------------------|-----------------------|-------------------------|--------------------------|------------------|
|  | PROJECT NAME: RECONSTRUCTION OF MULTI-PURPOSE BUILDING (COVERED COURT), BANGKAY BRANCH OFFICE, BANGKAY CITY | SHEET NO.: 11 | DATE: 03/03/2025 | DRAWN BY: [Signature] | CHECKED BY: [Signature] | APPROVED BY: [Signature] | DATE: 03/03/2025 |
|  | PROJECT NO.: 11                                                                                             | SHEET NO.: 11 | DATE: 03/03/2025 | DRAWN BY: [Signature] | CHECKED BY: [Signature] | APPROVED BY: [Signature] | DATE: 03/03/2025 |



**Department of Public Works and Highways**

Contract ID : **25CB0126**  
 Contract Name : **Rehabilitation of Multi-Purpose Building (Covered Court),  
 Barangay Bantan, Orion, Bataan**  
 Location of the Contract : **Orion, Bataan**

**BILL OF QUANTITIES**

**Part No.**                      **Part Description:**

| <i>(Columns (1), (2), (3), and (4) are<br/>to be filled up by the Procuring Entity)</i> |                                                                        |       |          | <i>(Columns (5) and (6) are<br/>to be filled up by the Bidder)</i> |                                   |
|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------|----------|--------------------------------------------------------------------|-----------------------------------|
| Pay<br>Item No.                                                                         | Description                                                            | Unit  | Quantity | Unit Price<br>(Pesos)                                              | Amount<br>(Pesos)                 |
| (1)                                                                                     | (2)                                                                    | (3)   | (4)      | (5)                                                                | (6)                               |
| <b>PART B</b>                                                                           | <b>OTHER GENERAL REQUIREMENTS</b>                                      |       |          |                                                                    |                                   |
| B.3(1)                                                                                  | Permits and<br>Clearances                                              | l.s.  | 1.00     | In words: Pesos<br>_____<br>In figures:<br>Php _____               | In figures: Php<br>_____<br>_____ |
| B.5(1)                                                                                  | Project Billboard /<br>Signboard                                       | each  | 2.00     | In words: Pesos<br>_____<br>In figures:<br>Php _____               | In figures: Php<br>_____<br>_____ |
| B.7(1)                                                                                  | Occupational<br>Safety & Health                                        | l.s.  | 1.00     | In words: Pesos<br>_____<br>In figures:<br>Php _____               | In figures: Php<br>_____<br>_____ |
| B.9(1)                                                                                  | Mobilization/<br>Demobilization                                        | l.s.  | 1.00     | In words: Pesos<br>_____<br>In figures:<br>Php _____               | In figures: Php<br>_____<br>_____ |
| <b>TOTAL OF PART B</b>                                                                  |                                                                        |       |          |                                                                    |                                   |
| <b>PART C</b>                                                                           | <b>EARTHWORKS</b>                                                      |       |          |                                                                    |                                   |
| 803(1)a                                                                                 | Structure<br>Excavation,<br>Common Soil                                | cu.m. | 63.00    | In words: Pesos<br>_____<br>In figures:<br>Php _____               | In figures: Php<br>_____<br>_____ |
| 804(1)a                                                                                 | Embankment<br>from Roadway<br>/Structure<br>Excavation,<br>Common Soil | cu.m. | 21.00    | In words: Pesos<br>_____<br>In figures:<br>Php _____               | In figures: Php<br>_____<br>_____ |

| Pay Item No.           | Description                                                              | Unit  | Quantity | Unit Price (Pesos)                                   | Amount (Pesos)                    |
|------------------------|--------------------------------------------------------------------------|-------|----------|------------------------------------------------------|-----------------------------------|
| (1)                    | (2)                                                                      | (3)   | (4)      | (5)                                                  | (6)                               |
| 804(7)                 | Gravel Fill                                                              | cu.m. | 5.00     | In words: Pesos<br>_____<br>In figures:<br>Php _____ | In figures: Php<br>_____<br>_____ |
| <b>TOTAL OF PART C</b> |                                                                          |       |          |                                                      |                                   |
| <b>PART D</b>          | <b>PLAIN AND REINFORCED CONCRETE WORK</b>                                |       |          |                                                      |                                   |
| 900(1)d                | Structural Concrete, 4000 psi, Class A, 28 days                          | cu.m. | 19.00    | In words: Pesos<br>_____<br>In figures:<br>Php _____ | In figures: Php<br>_____<br>_____ |
| 902(1)a1               | Reinforcing Steel (Deformed), Grade 40                                   | kg.   | 621.00   | In words: Pesos<br>_____<br>In figures:<br>Php _____ | In figures: Php<br>_____<br>_____ |
| 902(1)a2               | Reinforcing Steel (Deformed), Grade 60                                   | kg.   | 2,787.00 | In words: Pesos<br>_____<br>In figures:<br>Php _____ | In figures: Php<br>_____<br>_____ |
| 903(2)                 | Formworks and Falseworks                                                 | sq.m. | 139.00   | In words: Pesos<br>_____<br>In figures:<br>Php _____ | In figures: Php<br>_____<br>_____ |
| <b>TOTAL OF PART D</b> |                                                                          |       |          |                                                      |                                   |
| <b>PART E</b>          | <b>FINISHING AND OTHER CIVIL WORKS</b>                                   |       |          |                                                      |                                   |
| 1001(9)                | Storm Drainage and Downspout                                             | l.s.  | 1.00     | In words: Pesos<br>_____<br>In figures:<br>Php _____ | In figures: Php<br>_____<br>_____ |
| 1013(2)a               | Fabricated Metal Roofing Accessory, Gauge 26 (0.551 mm), Ridge/Hip Rolls | l.m.  | 18.00    | In words: Pesos<br>_____<br>In figures:<br>Php _____ | In figures: Php<br>_____<br>_____ |

| Pay Item No. | Description                                                       | Unit  | Quantity | Unit Price (Pesos)                                | Amount (Pesos)                    |
|--------------|-------------------------------------------------------------------|-------|----------|---------------------------------------------------|-----------------------------------|
| (1)          | (2)                                                               | (3)   | (4)      | (5)                                               | (6)                               |
| 1013(2)b     | Fabricated Metal Roofing Accessory, Gauge 26 (0.551 mm), Flashing | l.m.  | 36.00    | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 1013(2)c     | Fabricated Metal Roofing Accessory, Gauge 24 (0.701 mm), Gutters  | l.m.  | 36.00    | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 1014(1)b2    | Pre-Painted Metal Sheets, above 0.427 mm, Rib Type, Long Span     | sq.m. | 350.00   | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 1027(1)      | Cement Plaster Finish                                             | sq.m. | 5.00     | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 1032(1)a     | Painting Works, Masonry/ Concrete                                 | sq.m. | 5.00     | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 1032(1)c     | Painting Works, Steel                                             | sq.m. | 947.00   | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 1047(4)b     | Metal Structure Accessories, Turnbuckle                           | each  | 96.00    | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 1047(5)a     | Metal Structure Accessories, Bolts and Rods                       | kg.   | 109.00   | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |
| 1047(5)b     | Metal Structure Accessories, Sagrods                              | kg.   | 104.00   | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____ |

| Pay Item No.           | Description                                                | Unit | Quantity  | Unit Price (Pesos)                                   | Amount (Pesos)                    |
|------------------------|------------------------------------------------------------|------|-----------|------------------------------------------------------|-----------------------------------|
| (1)                    | (2)                                                        | (3)  | (4)       | (5)                                                  | (6)                               |
| 1047(5)c               | Metal Structure Accessories, Cross Bracing                 | kg.  | 684.00    | In words: Pesos<br>_____<br>In figures:<br>Php _____ | In figures: Php<br>_____<br>_____ |
| 1047(5)d               | Metal Structure Accessories, Steel Plates                  | kg.  | 3,162.00  | In words: Pesos<br>_____<br>In figures:<br>Php _____ | In figures: Php<br>_____<br>_____ |
| 1047(8)a               | Structural Steel, Trusses                                  | kg.  | 10,249.00 | In words: Pesos<br>_____<br>In figures:<br>Php _____ | In figures: Php<br>_____<br>_____ |
| 1047(8)b               | Structural Steel, Purlins                                  | kg.  | 4,311.00  | In words: Pesos<br>_____<br>In figures:<br>Php _____ | In figures: Php<br>_____<br>_____ |
| <b>TOTAL OF PART E</b> |                                                            |      |           |                                                      |                                   |
| <b>PART F</b>          | <b>ELECTRICAL</b>                                          |      |           |                                                      |                                   |
| 1100(10)               | Conduit, Boxes & Fittings (Conduit Works/Conduit Rough-in) | l.s. | 1.00      | In words: Pesos<br>_____<br>In figures:<br>Php _____ | In figures: Php<br>_____<br>_____ |
| 1101(33)               | Wires and Wiring Devices                                   | l.s. | 1.00      | In words: Pesos<br>_____<br>In figures:<br>Php _____ | In figures: Php<br>_____<br>_____ |
| 1102(1)                | Panelboard with Main & Branch Breakers                     | l.s. | 1.00      | In words: Pesos<br>_____<br>In figures:<br>Php _____ | In figures: Php<br>_____<br>_____ |

| Pay<br>Item No.        | Description       | Unit | Quantity | Unit Price<br>(Pesos)                                | Amount<br>(Pesos)                                    |
|------------------------|-------------------|------|----------|------------------------------------------------------|------------------------------------------------------|
| (1)                    | (2)               | (3)  | (4)      | (5)                                                  | (6)                                                  |
| 1103(1)                | Lighting Fixtures | l.s. | 1.00     | In words: Pesos<br>_____<br>In figures:<br>Php _____ | In figures: Php<br>_____<br>_____                    |
| <b>TOTAL OF PART F</b> |                   |      |          |                                                      |                                                      |
| <b>GRAND TOTAL</b>     |                   |      |          |                                                      | In words: Pesos<br>_____<br>In figures:<br>Php _____ |

Submitted by:

Name and Signature of Bidder's Representative Date: \_\_\_\_\_

Position

Name of Bidder

**Department of Public Works and Highways**

Contract ID : **25CB0126**  
Contract Name : **Rehabilitation of Multi-Purpose Building (Covered Court),  
Barangay Bantan, Orion, Bataan**  
Location of the Contract : **Orion, Bataan**

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**SUMMARY OF BID PRICE**

(All Parts of Bill of Quantities)

| <b>Part No.</b>     | <b>Part Description</b>            | <b>Total Amount</b> |
|---------------------|------------------------------------|---------------------|
| PART B              | OTHER GENERAL REQUIREMENTS         |                     |
| PART C              | EARTHWORKS                         |                     |
| PART D              | PLAIN AND REINFORCED CONCRETE WORK |                     |
| PART E              | FINISHING AND OTHER CIVIL WORKS    |                     |
| PART F              | ELECTRICAL                         |                     |
| <b>Total Amount</b> | <b>In Words:</b>                   | <b>In Figure:</b>   |
| <b>Duration</b>     |                                    |                     |

Submitted by:

Name and Signature of Bidder's Representative Date: \_\_\_\_\_

Position

Name of Bidder

**Department of Public Works and Highways**

Contract ID : **25CB0127**  
 Contract Name : **Rehabilitation of Multi-Purpose Building (Malasakit Center), Phase II, Barangay Tenejero, Balanga City, Bataan**  
 Location of the Contract : **Balanga City, Bataan**

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## Bid Data Sheet

| ITB Clause                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |                    |                     |                               |   |   |                             |   |   |         |   |   |                |   |   |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------|---------------------|-------------------------------|---|---|-----------------------------|---|---|---------|---|---|----------------|---|---|
| 5.2                           | <p>For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be:</p> <p><b>Major Category</b><br/><i>Buildings: Construction – without Piles – Low Rise – concrete (Frame) (1 to 5 Storeys)</i></p> <p><b>Similar Category</b><br/><i>BICWPHCCP                      BIL</i><br/><i>BICWPLCCP                    BIH</i><br/><i>BICWPHCDP                  BIM</i><br/><i>BICWPLCDP                  BICWOPHC</i></p> |                     |                    |                     |                               |   |   |                             |   |   |         |   |   |                |   |   |
| 7.1                           | <p><i>[Specify the portions of Works and the maximum percentage allowed to be subcontracted, which shall not be significant or material components of the Project as determined by the Procuring Entity.]</i></p>                                                                                                                                                                                                                                                                           |                     |                    |                     |                               |   |   |                             |   |   |         |   |   |                |   |   |
| 10.3                          | <p><i>[Specify if another Contractor license or permit is required.]</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                    |                     |                               |   |   |                             |   |   |         |   |   |                |   |   |
| 10.4                          | <p>The key personnel must meet the required minimum years of experience set below:</p> <table><tr><td>Key Personnel</td><td>General Experience</td><td>Relevant Experience</td></tr><tr><td>Project Manager</td><td>5</td><td>3</td></tr><tr><td>Accredited Project Engineer</td><td>4</td><td>2</td></tr><tr><td>Foreman</td><td>4</td><td>2</td></tr><tr><td>Safety Officer</td><td>1</td><td>1</td></tr></table>                                                                         | Key Personnel       | General Experience | Relevant Experience | Project Manager               | 5 | 3 | Accredited Project Engineer | 4 | 2 | Foreman | 4 | 2 | Safety Officer | 1 | 1 |
| Key Personnel                 | General Experience                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Relevant Experience |                    |                     |                               |   |   |                             |   |   |         |   |   |                |   |   |
| Project Manager               | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3                   |                    |                     |                               |   |   |                             |   |   |         |   |   |                |   |   |
| Accredited Project Engineer   | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                   |                    |                     |                               |   |   |                             |   |   |         |   |   |                |   |   |
| Foreman                       | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                   |                    |                     |                               |   |   |                             |   |   |         |   |   |                |   |   |
| Safety Officer                | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1                   |                    |                     |                               |   |   |                             |   |   |         |   |   |                |   |   |
| 10.5                          | <p>The minimum major equipment requirements are the following:</p> <table><tr><td>Equipment</td><td>Capacity</td><td>Number of Units</td></tr><tr><td colspan="3"><i>Labor Intensive Method</i></td></tr><tr><td></td><td></td><td></td></tr></table>                                                                                                                                                                                                                                       | Equipment           | Capacity           | Number of Units     | <i>Labor Intensive Method</i> |   |   |                             |   |   |         |   |   |                |   |   |
| Equipment                     | Capacity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Number of Units     |                    |                     |                               |   |   |                             |   |   |         |   |   |                |   |   |
| <i>Labor Intensive Method</i> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |                    |                     |                               |   |   |                             |   |   |         |   |   |                |   |   |
|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |                    |                     |                               |   |   |                             |   |   |         |   |   |                |   |   |

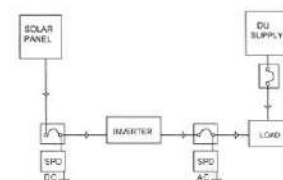


|                             |             |
|-----------------------------|-------------|
| MODULE NUMBER               | AE500MD-132 |
| RATED MAXIMUM POWER         | 580W        |
| CURRENT AT P <sub>MAX</sub> | 12.81 A     |
| VOLTAGE AT P <sub>MAX</sub> | 39.03 V     |
| SHORT CIRCUIT CURRENT       | 13.57 A     |
| OPEN CIRCUIT VOLTAGE        | 46.64V      |

|                            |                                              |
|----------------------------|----------------------------------------------|
| Input DC                   |                                              |
| Max. input power           | 13000W                                       |
| Max. input voltage         | 550 Vdc                                      |
| Rated voltage              | 230 V                                        |
| MPPPT voltage range        | 70-500 Vdc                                   |
| Max. input current         | 2 X 28 A dc                                  |
| Max. Short Circuit current | 2 X 39 A dc                                  |
| Output AC                  |                                              |
| Rated AC output power      | 10 kW                                        |
| Max. apparent output power | 11kVA                                        |
| Max. output power          | 34kW                                         |
| Rated grid voltage         | LN/PE 230V                                   |
| Rated grid frequency       | 50±0.03Hz                                    |
| Rated grid output current  | 85.5                                         |
| Max. output current        | 47.90 Aac                                    |
| Power Factor               | >0.99                                        |
|                            | (Adjustable from 0.8 leading to 0.8 lagging) |
| THDI <3%                   |                                              |
| Efficiency                 |                                              |
| Max. efficiency            | 97.0%                                        |

- 1. UTILITY HAS 24 HOURS UNRESTRICTED ACCESS TO ALL PV SYSTEM COMPONENTS LOCATED AT AND AROUND THE PROPERTY.
- 2. MODULES CONFORM TO AND ARE LISTED BY UL UNDER ENEC 170.
- 3. CONDUCTORS EXPOSED TO SUNLIGHT SHALL BE LISTED AS RATED FOR SUNLIGHT RESISTANCE AS PER NEC.
- 4. CONDUCTORS EXPOSED TO WEAT LOCATION SHALL BE SUITABLE FOR USE WITH LOCATION AS PER NEC.
- 5. NEW RVC METER SHALL BE INSTALLED NEAR TO NEW BIPOLAR CONNECTIONAL METER.
- 6. TAPPING POINT OF RVC METER LOAD SIDE CONDUCTORS SHALL BE AT THE LOAD VOLTAGE. THE TAPPING DEVICE BEHIND THE RVC METER LOAD SIDE CONDUCTORS SHOULD BE SHORT AS POSSIBLE.
- 7. THE RVC METER SHALL BE LOCATED NEAR THE METER BETWEEN THE GRID INVERTER RVC METER SHALL BE AN EXPOSED RIGID CONDUIT ON INDEPENDENT NON METALLIC CONDUIT.
- 8. WIRING SHOULD BE MOUNTED ON JOINT BOXES TO THE VISIBLE DISCONNECTION DEVICE AND SHALL BE PROTECTED BY THE DISCONNECT.

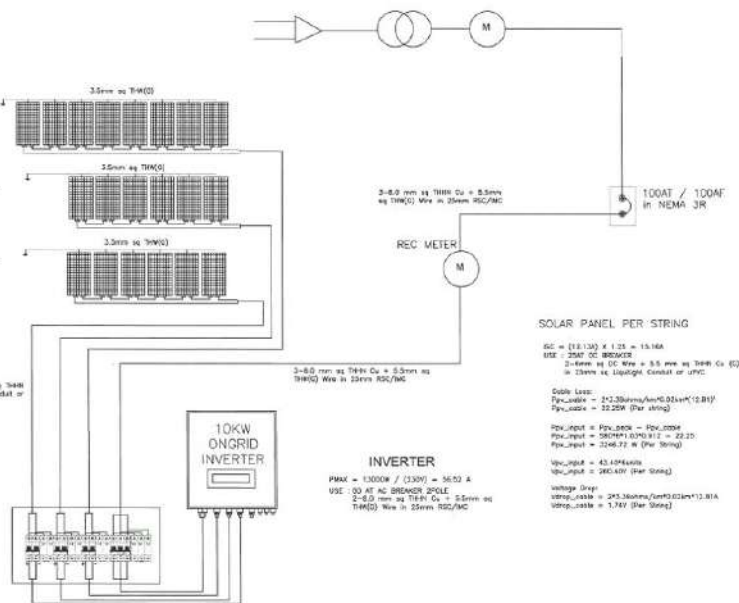
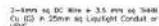
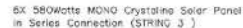
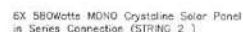
1. ALL ELECTRICAL WORKS INDICATED SHALL BE DONE IN ACCORDANCE WITH THE LATEST PROVISIONS OF THE PHILIPPINE ELECTRICAL CODE RULES AND REGULATION
2. ALL MATERIALS TO BE USED SHALL BE NEW AND APPROVED TYPES FOR ALL LOCATION AND PURPOSES
3. ALL INSTALLATION SHALL BE DONE IN GOOD AND NEAT WORKMANSHIP
4. ALL ELECTRICAL WORKS SHALL BE DONE UNDER THE DIRECT SUPERVISION OF PROFESSIONAL ELECTRICAL /ELECTRONICS ENGINEER /REGISTERED ELECTRICAL ENGINEER OR MASTER ELECTRICIAN



### BLOCK DIAGRAM

[illegible]

SITE LOCATION

[illegible]

### SINGLE LINE DIAGRAM

[illegible]



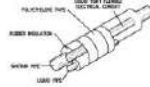


## EQUIPMENT SCHEDULE: SPLIT TYPE A/C (INDOOR UNIT)

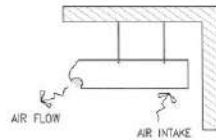
| ITEM               | DESCRIPTION       | ELECTRICAL DATA |       |       |       | QTY | TYPE       | REMARKS                               |
|--------------------|-------------------|-----------------|-------|-------|-------|-----|------------|---------------------------------------|
|                    |                   | VOLTS           | POWER | HERTZ | PHASE |     |            |                                       |
| FCU-1 TO<br>FCU-15 | CEILING SUSPENDED | 230V            | 6HP   | 50HZ  | 1     | 18  | SPLIT TYPE | NY PREMIER BRAND OR<br>APPROVED EQUAL |

## EQUIPMENT SCHEDULE: SPLIT TYPE A/C (OUTDOOR UNIT)

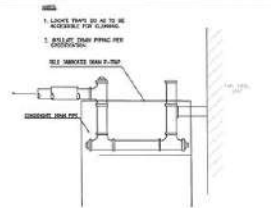
| ITEM                 | CAPACITY | ELECTRICAL DATA |       |       |       | QTY | TYPE       | REMARKS                               |
|----------------------|----------|-----------------|-------|-------|-------|-----|------------|---------------------------------------|
|                      |          | VOLTS           | POWER | HERTZ | PHASE |     |            |                                       |
| ACCU-1 TO<br>ACCU-18 | 6 HP     | 230V            | 6HP   | 50HZ  | 1     | 18  | SPLIT TYPE | NY PREMIER BRAND OR<br>APPROVED EQUAL |



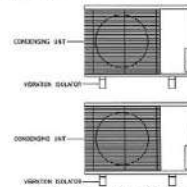
1 REFRIGERANT LINE INSULATION DETAILS  
M-2 / SCALE NTS



2 CEILING SUSPENDED FCU MOUNTING DETAIL  
M-2 / SCALE NTS



3 DRAIN PIPING CONNECTION DETAILS  
M-2 / SCALE NTS



4 ACU TWO LAYER DETAILS  
M-2 / SCALE NTS



REPUBLIC OF SOUTH AFRICA  
DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE  
NATIONAL AND DISTRICT ENGINEERING OFFICE  
TECHNICAL DRAWING AND ARCHITECTURAL DESIGN

PROJECT/LOCATION:  
REHABILITATION OF ALLY PARKER  
RESIDENTIAL BUILDING 100 MPA, PHASE 4  
BANGWATSENE MUNICIPALITY, JOHANNESBURG

WEEK/DATE/REV:  
AS SHOWN

DESIGNED AND DRAWN:  
HARSH G. CHILSON

REVISION:  
1. PLATE TYPE BRACKET GENERAL

CLASSIFIED:  
NOT CLASSIFIED

REVISION:  
1. PLATE TYPE BRACKET GENERAL

REVISION:  
1. PLATE TYPE BRACKET GENERAL

REVISION:  
1. PLATE TYPE BRACKET GENERAL

DET. NO. 1  
SHEET NO. 6

**Department of Public Works and Highways**

Contract ID : **25CB0127**  
 Contract Name : **Rehabilitation of Multi-Purpose Building (Malasakit Center), Phase II, Barangay Tenejero, Balanga City, Bataan**  
 Location of the Contract : **Balanga City, Bataan**

**BILL OF QUANTITIES**

**Part No. Part Description:**

| <i>(Columns (1), (2), (3), and (4) are to be filled up by the Procuring Entity)</i> |                                                            |      |          | <i>(Columns (5) and (6) are to be filled up by the Bidder)</i> |                                   |
|-------------------------------------------------------------------------------------|------------------------------------------------------------|------|----------|----------------------------------------------------------------|-----------------------------------|
| Pay Item No.                                                                        | Description                                                | Unit | Quantity | Unit Price (Pesos)                                             | Amount (Pesos)                    |
| (1)                                                                                 | (2)                                                        | (3)  | (4)      | (5)                                                            | (6)                               |
| <b>PART II</b>                                                                      | <b>OTHER GENERAL REQUIREMENTS</b>                          |      |          |                                                                |                                   |
| B.3                                                                                 | Permits and Clearances                                     | l.s. | 1.00     | In words: Pesos<br>_____<br>In figures: Php _____              | In figures: Php<br>_____<br>_____ |
| B.5(1)                                                                              | Project Billboard / Signboard                              | each | 3.00     | In words: Pesos<br>_____<br>In figures: Php _____              | In figures: Php<br>_____<br>_____ |
| B.7(1)                                                                              | Occupational Safety & Health Program                       | l.s. | 1.00     | In words: Pesos<br>_____<br>In figures: Php _____              | In figures: Php<br>_____<br>_____ |
| B.9(1)                                                                              | Mobilization/ Demobilization                               | l.s. | 1.00     | In words: Pesos<br>_____<br>In figures: Php _____              | In figures: Php<br>_____<br>_____ |
| <b>TOTAL OF PART II</b>                                                             |                                                            |      |          |                                                                |                                   |
| <b>PART D</b>                                                                       | <b>ELECTRICAL</b>                                          |      |          |                                                                |                                   |
| 1100(10)                                                                            | Conduit, Boxes & Fittings (Conduit Works/Conduit Rough-in) | l.s. | 1.00     | In words: Pesos<br>_____<br>In figures: Php _____              | In figures: Php<br>_____<br>_____ |
| 1101(33)                                                                            | Wires and Wiring Devices                                   | l.s. | 1.00     | In words: Pesos<br>_____<br>In figures: Php _____              | In figures: Php<br>_____<br>_____ |

| Pay Item No.           | Description                                          | Unit | Quantity | Unit Price (Pesos)                                | Amount (Pesos)                                    |
|------------------------|------------------------------------------------------|------|----------|---------------------------------------------------|---------------------------------------------------|
| (1)                    | (2)                                                  | (3)  | (4)      | (5)                                               | (6)                                               |
| 1102(1)                | Panelboard with Main & Branch Breakers               | l.s. | 1.00     | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____                 |
| 1102(18)               | Solar Panel with Inverter, Battery and Other Devices | l.s. | 1.00     | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____                 |
| 1200(13)a              | Airconditioning, Slit Type                           | l.s. | 1.00     | In words: Pesos<br>_____<br>In figures: Php _____ | In figures: Php<br>_____<br>_____                 |
| <b>TOTAL OF PART D</b> |                                                      |      |          |                                                   |                                                   |
| <b>GRAND TOTAL</b>     |                                                      |      |          |                                                   | In words: Pesos<br>_____<br>In figures: Php _____ |

Submitted by:

Name and Signature of Bidder's Representative Date: \_\_\_\_\_

Position

Name of Bidder

**Department of Public Works and Highways**

Contract ID : **25CB0127**  
Contract Name : **Rehabilitation of Multi-Purpose Building (Malasakit Center), Phase II, Barangay Tenejero, Balanga City, Bataan**  
Location of the Contract : **Balanga City, Bataan**

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**SUMMARY OF BID PRICE**

(All Parts of Bill of Quantities)

| <b>Part No.</b>     | <b>Part Description</b>    | <b>Total Amount</b> |
|---------------------|----------------------------|---------------------|
| PART II             | OTHER GENERAL REQUIREMENTS |                     |
| PART D              | ELECTRICAL                 |                     |
| <b>Total Amount</b> | <b>In Words:</b>           | <b>In Figure:</b>   |
| <b>Duration</b>     |                            |                     |

Submitted by:

Name and Signature of Bidder's Representative Date: \_\_\_\_\_

Position

Name of Bidder