Republic of the Philippines
CIVIL AVIATION AUTHORITY
OF THE PHILIPPINES

BAGONG PILIPINAS

# REQUEST FOR QUOTATION
## NO.: RFQ-2024-007

Date: **March 8, 2024**

***Name of the Company*** : ____________________
***Address*** : ____________________
***Contact No.*** : ____________________
***PhilGEPS Registration No.*** : ____________________

Sir/Madam:

Please quote your best offer (lowest net, price, taxes, and government discount terms included) and **submit your Quotation duly signed by you or your duly authorized representative not later than MARCH 13, 2024 @ 3:00 PM** for:

**Name of the Project** : **PROVISION OF MATERIAL RECOVERY FACILITY AT LAOAG INTERNATIONAL AIRPORT**
**Location** : **LAOAG INTERNATIONAL AIRPORT**
**Terms of Reference** :

Sealed quotations must be submitted either personally to Ms. Hazelle May C. Andres, Head, Secretariat of the Bids and Awards Committee of Laoag International Airport (BAC-LIA) or e-mail at areacenter1_bac@caap.gov.ph. For any clarification, do not hesitate to contact us through the contact information seen below.

Aside from the Terms and Conditions provided at the back portion of this RFQ, please observed the following general conditions:

1. **The following documents must be attached upon submission of the Quotation**:
   a) Mayor's Permit
   b) PhilGEPS Certificate of Registration
2. All quotations shall be considered as fixed price and not subject to price escalation during the contract implementation.
3. Payment shall be made through check.

**ATTY. RIZZA JOY S. VALLESTERO**
Chairperson, Bids and Awards Committee

After having carefully read and accepted the Terms and Conditions, I/We submit our quotations for the following item/s:

| ITEM DESCRIPTION (SPECIFY THE BRAND AND MODEL OF YOUR OFFER/PROPOSAL, IF APPLICABLE) | APPROVED BUDGET OF THE CONTRACT (ABC) | OFFER* | | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|
| | | PRICE | | | | Compliance w/ Technical Specifications | | |
| | | QTY | UNIT | Unit Price | Total Price | Yes | No | |
| **1. Supply of labor and materials which will be used for the project titled: "Provision of Material Recovery Facility at Laoag International Airport"**<br><br>**Scope of Works:**<br>**1. Site Works** | **₱998,923.35** | **1** | **Lot** | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 2. Concrete Works<br>3. Masonry Works<br>4. Waterproofing Works<br>5. Painting Works<br>6. Doors and Windows<br>7. Electrical Works<br>8. Plumbing Works<br>9. Other General Requirements<br><br>Number of Days to Complete: Seventy-Five (75) Calendar Days | | | | | | | | |
| TOTAL ABC | ₱998,923.35 | | | | | | | |
| GRAND TOTAL: | | | | | | | | |

Note: Quotation for each item must not exceed the ABC per item

Signature over Printed Name
Supplier/Dealer/Contractor

# TERMS AND CONDITIONS

1. **Bidders shall provide correct and accurate information required in this form.**
2. **Price quotation/s must be valid for a period of Thirty (30) calendar days from the date of submission.**
3. **Price quotation/s shall be denominated in Philippine Peso which includes all taxes, duties and/or levies payable.**
4. **Quotations exceeding the ABC shall be rejected.**
5. **Award of contract shall be made to the lowest quotation (for goods and infrastructure) or, the highest rated offer (for consulting services) which complies with the minimum technical specifications and other terms and conditions stated herein. Further, the most advantageous to the government to the point of quality of materials and prices as well as the responsiveness of the bids shall be the basis of the award.**
6. ***The Head of the Procuring Entity reserves the right to reject any and all bids, declare a failure of bidding or not award the contract in any of the following conditions set forth by Sec. 41 (Reservation Clause) of the Revised IRR of RA 9184.***
7. **The Supply Office of LIA shall have the right to inspect and to test the goods to confirm their conformity to the technical specifications.**
8. ***Date of Completion/Delivery*: In case of an approved POW, within the period stated therein. While, in cases of regular procurement, within 7-10 days or less, after the issuance of the Purchase Order. Further, any request of extension shall be sent to the End-User/Implementing Facility concern.**
9. ***Mode and Terms of Payment:* Within ten (10) working days after the supplies/materials and labor/service have been inspected and accepted, respectively, through a check issued by the procuring entity.**
10. **Liquidated damages equivalent to one tenth of one percent (0.001%) of the value of the goods not delivered within the prescribed delivery period shall be imposed per day of delay. This Office (LIA) shall rescind the contract once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of the contract, without prejudice to other courses of action and remedies open to it.**

**NOTE: The aforecited Terms and Conditions shall be without prejudice to any provisions of a Contract which will be executed by and between the Procuring Entity and Contractor/Supplier/Dealer in order to conform with the requirements set forth by RA 9184.**

AGENCY / : Department of Transportation
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
PROJECT : Provision of Material Recovery Facility, Laoag Int'l Airport
LOCATION : Laoag International Airport
SUBJECT : BILL OF QUANTITY/DETAILED ESTIMATE

## I. SITE WORKS

**Quantity :** 21.67 cu.m

### A. DIRECT COST

| 1. | MATERIALS | QUANTITY | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|
| 1 | | | | | / | - |
| 2 | | | | | / | - |
| | | MATERIAL COST | | | | - |

| 2. | EQUIPMENT | QUANTITY | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|
| 1 | Plate Compactor, 5hp | | day | | day | |
| | | EQUIPMENT COST | | | | |

| 3. | no. of Manpower | LABOR | NO. OF DAYS | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|---|
| 1 | | Foreman | | day | | day | |
| 2 | | Common Laborer | | day | | day | |
| | | | LABOR COST | | | | |

**TOTAL DIRECT COST**

### B. INDIRECT COST

| | | | | |
|---|---|---|---|---|
| 1. | OCM( Overhead, Contingencies, Miscellaneous) | | | |
| 2. | CONTRACTORS PROFIT | | | |
| | | | TOTAL MARK-UP | |

| | | | | |
|---|---|---|---|---|
| 3. | Value Added Tax, VAT (OCM + Contractor's Profit + Direct Cost) | 5% | | |

**TOTAL INDIRECT COST**

### C. TOTAL COST

| | | |
|---|---|---|
| 1. | DIRECT COST + INDIRECT COST | |

**TOTAL UNIT COST**

AGENCY / : Department of Transportation
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
PROJECT : Provision of Material Recovery Facility, Laoag Int'l Airport
LOCATION : Laoag International Airport
SUBJECT : BILL OF QUANTITY/DETAILED ESTIMATE

## II. CONCRETE WORKS

**Quantity :** 27.60 cu.m

### A. DIRECT COST

| 1. | MATERIALS | QUANTITY | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|
| 1 | Portland Cement, 40kg | 256 | bags | | /bags | |
| 2 | Sand | 15 | cu.m | | /cu.m | |
| 3 | 3/4" Crushed Gravel | 30 | cu.m | | /cu.m | |
| 4 | 16 mm Ø x 6m DRSB | 96 | pcs | | /pcs | |
| 5 | 10 mm Ø x 6m DRSB | 378 | pcs | | /pcs | |
| 6 | #16 Tiewire | 30 | kgs | | /kgs | |
| 7 | 1/2 x 1.2m x 2.4m Ordinary Plywood | 23 | kgs | | /kgs | |
| 8 | Coco Lumber | 557 | kgs | | /kgs | |
| 9 | Assorted Common Nail | 11 | kgs | | /kgs | |
| | | | | | | |
| | | MATERIAL COST | | | | |

| 2. | EQUIPMENT | QUANTITY | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|
| 1 | One Bagger Concrete Mixer | | day | | /day | |
| 2 | Concrete Vibrator | | day | | /day | |
| | | EQUIPMENT COST | | | | |

| 3. | No. of Manpower | LABOR | NO. OF DAYS | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|---|
| 1 | | Foreman | | day | | /day | |
| 2 | | Skilled Laborer | | day | | /day | |
| 3 | | Common Laborer | | day | | /day | |
| | | | LABOR COST | | | | |

**TOTAL DIRECT COST**

### B. INDIRECT COST

| | | | | |
|---|---|---|---|---|
| 1. | OCM( Overhead, Contingencies, Miscellaneous) | | | |
| 2. | CONTRACTORS PROFIT | | | |
| | | | TOTAL MARK-UP | |

| | | | | |
|---|---|---|---|---|
| 3. | Value Added Tax, VAT (OCM + Contractor's Profit + Direct Cost) | 5% | | |

**TOTAL INDIRECT COST**

### C. TOTAL COST

| | | |
|---|---|---|
| 1. | DIRECT COST + INDIRECT COST | |

**TOTAL UNIT COST**

AGENCY / : Department of Transportation
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
PROJECT : Provision of Material Recovery Facility, Laoag Int'l Airport
LOCATION : Laoag International Airport
SUBJECT : BILL OF QUANTITY/DETAILED ESTIMATE

## III. MASONRY WORKS

**Quantity :** 115.21 sq.m

### A. DIRECT COST

| 1. | MATERIALS | QUANTITY | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|
| 1 | 5" CHB | 1498 | pcs | | /pcs | |
| 2 | Portland Cement, 40kg | 127 | bags | | /bags | |
| 3 | Sand | 11 | cu.m | | /cu.m | |
| 4 | 10 mm Ø x 6m DRSB | 74 | pcs | | /pcs | |
| 5 | #16 Tiewire | 4 | kgs | | /kgs | |
| | | | | | | |
| | | MATERIAL COST | | | | |

| 2. | EQUIPMENT | QUANTITY | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|
| 1 | | | day | | /day | - |
| 2 | | | day | | /day | - |
| | | EQUIPMENT COST | | | | - |

| 3. | No. of Manpower | LABOR | NO. OF DAYS | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|---|
| 1 | | Foreman | | day | | /day | |
| 2 | | Skilled Laborer | | day | | /day | |
| 3 | | Common Laborer | | day | | /day | |
| | | | LABOR COST | | | | |

**TOTAL DIRECT COST**

### B. INDIRECT COST

| | | | | |
|---|---|---|---|---|
| 1. | OCM( Overhead, Contingencies, Miscellaneous) | | | |
| 2. | CONTRACTORS PROFIT | | | |
| | | | TOTAL MARK-UP | |

| | | | | |
|---|---|---|---|---|
| 3. | Value Added Tax, VAT (OCM + Contractor's Profit + Direct Cost) | 5% | | |

**TOTAL INDIRECT COST**

### C. TOTAL COST

| | | |
|---|---|---|
| 1. | DIRECT COST + INDIRECT COST | |

**TOTAL UNIT COST**

AGENCY : Department of Transportation
/ CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
PROJECT : Provision of Material Recovery Facility, Laoag Int'l Airport
LOCATION : Laoag International Airport
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## IV. WATERPROOFING WORKS

**Quantity :** 92.16 sq.m

### A. DIRECT COST

| 1. | MATERIALS | QUANTITY | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|
| 1 | 6m x 1m Bituminous Sheet Water Proofing Membrane | 16 | pcs | | /pcs | |
| 2 | Portland Cement, 40kg | 37 | bags | | /bags | |
| 3 | Sand | 3 | cu.m | | /cu.m | |
| 4 | 3/8 Gravel | 5 | cu.m | | /cu.m | |
| 5 | 8 mm Ø x 6m DRSB | 8 | pcs | | /pcs | |
| 6 | #16 Tiewire | 1 | kgs | | /kgs | |
| 7 | 2.8mm x 1.2m x 2.4m Wire Mesh (4" x 4") | 32 | pcs | | /pcs | |
| | | | | | | |
| | | MATERIAL COST | | | | |

| 2. | EQUIPMENT | QUANTITY | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|
| 1 | | | day | | /day | - |
| 2 | | | day | | /day | - |
| | | EQUIPMENT COST | | | | - |

| 3. | No. of Manpower | LABOR | NO. OF DAYS | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|---|
| 1 | | Foreman | | day | | /day | |
| 2 | | Skilled Laborer | | day | | /day | |
| 3 | | Common Laborer | | day | | /day | |
| | | | LABOR COST | | | | |

**TOTAL DIRECT COST**

### B. INDIRECT COST

| | | | | |
|---|---|---|---|---|
| 1. | OCM( Overhead, Contingencies, Miscellaneous) | | | |
| 2. | CONTRACTORS PROFIT | | | |
| | | | TOTAL MARK-UP | |

| | | | | |
|---|---|---|---|---|
| 3. | Value Added Tax, VAT (OCM + Contractor's Profit + Direct Cost) | 5% | | |

**TOTAL INDIRECT COST**

### C. TOTAL COST

| | | |
|---|---|---|
| 1. | DIRECT COST + INDIRECT COST | |

**TOTAL UNIT COST**

| | |
|---|---|
| **AGENCY /** | : Department of Transportation<br>CIVIL AVIATION AUTHORITY OF THE PHILIPPINES |
| **PROJECT** | : Provision of Material Recovery Facility, Laoag Int'l Airport |
| **LOCATION** | : Laoag International Airport |
| **SUBJECT** | : BILL OF QUANTITY/DETAILED ESTIMATE |

## V. PAINTING WORKS

**Quantity :** 362.41 sq.m

### A. DIRECT COST

| 1. | MATERIALS | QUANTITY | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|
| 1 | Concrete Putty | 14 | gals | | /gals | |
| 2 | Elastomeric Sealer | 10 | gals | | /gals | |
| 3 | Elastomeric Paint | 19 | gals | | /gals | |
| 4 | Paint Thinner | 2 | gals | | /gals | |
| 5 | Semi-Gloss Latex Paint | 19 | gals | | /gals | |
| 6 | Flat Latex Paint | 7 | gals | | /gals | |
| 7 | Epoxy Primer | 5 | ltrs | | /ltrs | |
| 8 | Epoxy Paint Top Coat | 4 | gals | | /gals | |
| 9 | 9" Paint Roller | 4 | pcs | | /pcs | |
| 10 | 4" Paint Brush | 6 | pcs | | /pcs | |
| | | | | | | |
| | | **MATERIAL COST** | | | | |

| 2. | EQUIPMENT | QUANTITY | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|
| 1 | | | day | | /day | |
| 2 | | | day | | /day | |
| | | **EQUIPMENT COST** | | | | |

| 3. | No. of Manpower | LABOR | NO. OF DAYS | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|---|
| 1 | | Foreman | | day | | /day | |
| 2 | | Skilled Laborer | | day | | /day | |
| 3 | | Common Laborer | | day | | /day | |
| | | | **LABOR COST** | | | | |

**TOTAL DIRECT COST**

### B. INDIRECT COST

| | | | | |
|---|---|---|---|---|
| 1. | OCM( Overhead, Contingencies, Miscellaneous) | | | |
| 2. | CONTRACTORS PROFIT | | | |
| | | | TOTAL MARK-UP | |

| | | | | |
|---|---|---|---|---|
| 3. | Value Added Tax, VAT (OCM + Contractor's Profit + Direct Cost) | 5% | | |

**TOTAL INDIRECT COST**

### C. TOTAL COST

| | | |
|---|---|---|
| 1. | DIRECT COST + INDIRECT COST | |

**TOTAL UNIT COST**

**AGENCY** : Department of Transportation
**/** CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
**PROJECT** : Provision of Material Recovery Facility, Laoag Int'l Airport
**LOCATION** : Laoag International Airport
**SUBJECT** : BILL OF QUANTITY/DETAILED ESTIMATE

## VI. DOORS AND WINDOWS

**Quantity :** 8.00 sets

### A. DIRECT COST

| 1. | MATERIALS | QUANTITY | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|
| 1 | 1.8m x 2.40m, 2-Leaf Single Swing Steel Louvered Door in spray applied epoxy paint finish with butt hinges; chrome lever type lockset; door stopper; heavy duty door closer | 4 | sets | | /sets | |
| 2 | 1.55m x 5.0m Ga. 18 Steel Storm Louver Window in spray applied epoxy paint finish | 2 | sets | | /sets | |
| 3 | 1.5m x 1.55m Ga. 18 steel storm louver window in spray applied epoxy paint finish | 2 | sets | | /sets | |
| | | | | | | |
| | | **MATERIAL COST** | | | | |

| 2. | EQUIPMENT | QUANTITY | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|
| 1 | | | day | | /day | - |
| 2 | | | day | | /day | - |
| | | **EQUIPMENT COST** | | | | - |

| 3. | No. of Manpower | LABOR | NO. OF DAYS | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|---|
| 1 | | Foreman | | day | | /day | |
| 2 | | Skilled Laborer | | day | | /day | |
| 3 | | Common Laborer | | day | | /day | |
| | | | **LABOR COST** | | | | |

**TOTAL DIRECT COST**

### B. INDIRECT COST

| | | | | |
|---|---|---|---|---|
| 1. | OCM( Overhead, Contingencies, Miscellaneous) | | | |
| 2. | CONTRACTORS PROFIT | | | |
| | | | TOTAL MARK-UP | |

| | | | | |
|---|---|---|---|---|
| 3. | Value Added Tax, VAT (OCM + Contractor's Profit + Direct Cost) | 5% | | |

**TOTAL INDIRECT COST**

### C. TOTAL COST

| | | |
|---|---|---|
| 1. | DIRECT COST + INDIRECT COST | |

**TOTAL UNIT COST**

AGENCY : Department of Transportation
/ CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
PROJECT : Provision of Material Recovery Facility, Laoag Int'l Airport
LOCATION : Laoag International Airport
SUBJECT : BILL OF QUANTITY/DETAILED ESTIMATE

## VII. ELECTRICAL WORKS

**Quantity :** 1.00 lot

### A. DIRECT COST

| 1. | MATERIALS | QUANTITY | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|
| 1 | 3.5 mm² THHN/THWN-2 600V 90ºC Copper Wire, Lead Free Type, 150m/roll | 2 | rolls | | /rolls | |
| 2 | 15mm diameter × 3m Electrical Metallic Tubing (1/2") | 30 | pcs | | /pcs | |
| 3 | 15mm diameter Flexible Metal Conduit (1/2") | 15 | lm | | /lm | |
| 4 | 15mm diameter EMT Coupling | 30 | pcs | | /pcs | |
| 5 | 15mm diameter EMT Connector with Locknut and Bushing | 45 | pcs | | /pcs | |
| 6 | Octagonal Junction Box, Steel Gauge 16 with cover | 17 | pcs | | /pcs | |
| 7 | 4"×2" Utility Box, Steel Gauge 16 with cover | 5 | pcs | | /pcs | |
| 8 | Gauge 16 with cover | 1 | pcs | | /pcs | |
| 9 | Electrical Tape, 0.16mm×19mm×16m, UL Listed | 1 | pcs | | /pcs | |
| 10 | G.I. Tie Wire Gauge 16, Pull Wire | 1 | kgs | | /kgs | |
| 11 | 1245mm Fluorescent luminaire, IP65 water proof, moisture proof, dust proof and corrosion proof with polycarbonate cover and metal bracket with 1×18W 1800-Lumen 6500K T8 LED Tube Light | 14 | sets | | /sets | |
| 12 | 2-Gang Switch with Plate, 16A, 250V Wide Series | 2 | sets | | /sets | |
| 13 | 3-Gang Switch with Plate, 16A, 250V Wide Series | 1 | sets | | /sets | |
| 14 | Ground Fault Circuit Interrupter Duplex Outlet, 20 Ampere, 250 Volts | 2 | sets | | /sets | |
| 15 | Panel Board | 1 | assy | | /assy | |
| | Main: 20AT, 100AF, 2-Pole, 230V, 25KAIC MCCB | | | | | |
| | Branches: 4 - 20AT, 100AF, 2-Pole, 230V, 25KAIC MCCB | | | | | |
| | With Grounding Terminal Lugs, Pushlock and Directory Holder; Enclosure: NEMA-1 Gauge 16, Powder coated color gray | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | **MATERIAL COST** | | | | |

| 2. | EQUIPMENT | QUANTITY | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|
| 1 | | | day | | /day | - |
| 2 | | | day | | /day | - |
| | | **EQUIPMENT COST** | | | | - |

| 3. | No. of Manpower | LABOR | NO. OF DAYS | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|---|
| 1 | | Master Electrician | | day | | /day | |
| 2 | | Skilled Laborer | | day | | /day | |
| 3 | | Common Laborer | | day | | /day | |

| LABOR COST | |
|---|---|

| TOTAL DIRECT COST | |
|---|---|

B. **INDIRECT COST**

| | | | | |
|---|---|---|---|---|
| 1. | OCM( Overhead, Contingencies, Miscellaneous) | | | |
| 2. | CONTRACTORS PROFIT | | | |
| | | | TOTAL MARK-UP | |

| | | | | |
|---|---|---|---|---|
| 3. | Value Added Tax, VAT (OCM + Contractor's Profit + Direct Cost) | 5% | | |

| TOTAL INDIRECT COST | |
|---|---|

C. **TOTAL COST**

| | | |
|---|---|---|
| 1. | DIRECT COST + INDIRECT COST | |

| TOTAL UNIT COST | |
|---|---|

AGENCY / : Department of Transportation
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
PROJECT : Provision of Material Recovery Facility, Laoag Int'l Airport
LOCATION : Laoag International Airport
SUBJECT : BILL OF QUANTITY/DETAILED ESTIMATE

## VIII. PLUMBING WORKS

**Quantity :** 42.00 li.m

### A. DIRECT COST

| 1. | MATERIALS | QUANTITY | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|
| 1 | 4" CHB | 108 | pcs | | /pcs | |
| 2 | Portland Cement, 40kg | 4 | bags | | /bags | |
| 3 | Sand | 0.38 | cu.m | | /cu.m | |
| 4 | 4" Stainless Roof Drain | 10 | pcs | | /pcs | |
| 5 | 4" - 90˚ Bend | 20 | pcs | | /pcs | |
| 6 | 3m - 4" PVC Pipe | 14 | pcs | | /pcs | |
| 7 | 4" coupling | 10 | pcs | | /pcs | |
| 8 | Solvent Cement | 2 | cans | | /cans | |
| | | | | | | |
| | | MATERIAL COST | | | | |

| 2. | EQUIPMENT | QUANTITY | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|
| 1 | | | day | | /day | - |
| 2 | | | day | | /day | - |
| | | EQUIPMENT COST | | | | - |

| 3. | No. of Manpower | LABOR | NO. OF DAYS | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|---|
| 1 | | Foreman | | day | | /day | |
| 2 | | Skilled Laborer | | day | | /day | |
| 3 | | Common Laborer | | day | | /day | |
| | | | LABOR COST | | | | |

| TOTAL DIRECT COST | - |
|---|---|

### B. INDIRECT COST

| | | | | |
|---|---|---|---|---|
| 1. | OCM( Overhead, Contingencies, Miscellaneous) | | | |
| 2. | CONTRACTORS PROFIT | | | |
| | | | TOTAL MARK-UP | |
| 3. | Value Added Tax, VAT (OCM + Contractor's Profit + Direct Cost) | 5% | | |

| TOTAL INDIRECT COST | |
|---|---|

### C. TOTAL COST

| | | |
|---|---|---|
| 1. | DIRECT COST + INDIRECT COST | |

| TOTAL UNIT COST | |
|---|---|

AGENCY / : Department of Transportation
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
PROJECT : Provision of Material Recovery Facility, Laoag Int'l Airport
LOCATION : Laoag International Airport
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## IX. OTHER GENERAL REQUIREMENTS

**( 1.00 LOT)**

### A. DIRECT COST

1.

| | MATERIALS | QUANTITY | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|
| 1 | | | | | / | - |
| | | MATERIAL COST | | | | - |

2.

| | EQUIPMENT | QUANTITY | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|
| 1 | Reflectorize Vest | 7 | pc. | | /pc. | |
| 2 | Safety Gloves | 7 | pc. | | /pc. | |
| | | EQUIPMENT COST | | | | |

3.

| | | LABOR | NO. OF DAYS | | UNIT COST | | AMOUNT |
|---|---|---|---|---|---|---|---|
| 1 | | | | days | | /days | - |
| 2 | | | | | | | - |
| | | | LABOR COST | | | | - |

**TOTAL DIRECT COST**

### B. INDIRECT COST

| | | | | |
|---|---|---|---|---|
| 3. | Value Added Tax, VAT (OCM + Contractor's Profit + Direct Cost) | 5% | | |

**TOTAL INDIRECT COST**

### C. TOTAL COST

| | | |
|---|---|---|
| 1. | DIRECT COST + INDIRECT COST | |

**TOTAL UNIT COST**

| | |
|---|---|
| ƎENCY: | Department of Transportation<br>CIVIL AVIATION AUTHORITY OF THE PHILIPPINES |
| ꓤOJECT: | **Provision of Material Recovery Facility, Lacag Int'l Airport** |
| ƆCATION: | Laoag International Airport |
| UBJECT: | SCOPE OF WORKS |

## 1.0 GENERAL

- The works to be accomplihed by the successful bidders shall consist of furnishing, supervision of labor, materials, supplies, tools and equipment to complete the Scope of Works of the Provision of Material Recovery Facility at Laoag International Airport.
- All Scope of Works must be according to plans and specifications. The quality and types of materials must conform to the specifications and must be approved first by the Engineer In-charge assigned by CAAP-LIA

- Provisions for staff house, service vehicles, laptops, printers, cameras, plotters, furniture and other materials, devices and equipent under Special Item or Temporary Facilities shall not include OCM.

- The Contractor shall be responsible in providing safety perimeter fence or security fences, personal protective equipment (PPE) for staffs and workers on site while construction is ongoing. Safety reports should be prepared regularly.

- The Contractor shall be responsible for all laboratory, material testing, environmental compliance certificate (ECC), building and safety permits and survey instruments necessary in the project Implementation. Also the Contractor is hereby required to pay monthly fees for the usage of electricity and water consumption. Therefore the Contractor is hereby required to provide sub meter as necessary for the determination of their own monthly bill. These Expenses shall not be incorporated in the Contractor's Overhead Cost and shall be considere as pay item.

## 2.0 LOCATION OF THE PROJECT

- The Contract to be bid is located at Laoag International Airport, Brgy. 36 Araniw Laoag City, Ilocos Norte.

## 3.0 SCOPE OF WORKS

- The details of work are at best enumerated below, but be noted that the Contract includes all works and services although not specifically mentioned herein, but are needed to fully complete the Project.

- The Project covers the supply of labor, materials, mobilization/demobilization, tools/equipment, and construction related permits necessary for **Provision of Material Recovery Facility at Laoag International Airport** with the following scope of works which shall be done in accordance with the approved plans, specifications and provision of contract to wit: (Work shall include but is not limited to the following)

### I. SITEWORKS

- The work includes all materials, labor, equipment and performance for all operations to complete the excavation and embankment/backfill as indicated in the plans.

### II. CONCRETE WORKS

- The work includes all materials, labor, equipment material testing and performance of all operations to complete the concreting of the components of the structure for the construction such as footings, columns, pavements including fabrication and installation of reinforced steel bars as specified on the plans. (Materials used and Workmanship must be approved by the Project In-Charge).

III. MASONRY WORKS

- The work includes all materials, labor, equipment, material testing and performance of all operations to complete the installation of CHB, plastering of the components of the structure such as walls, columns, etc. (Materials used and Worksmanship must be approved by the Project In-Charge).

IV. WATERPROOFING

- The work includes all materials, labor and equipment necessary for the water proofing of the concrete gutter. Necessary materials such as wire mesh, elastoplastomeric water proofing membranes and etc. must be installed in accordance with the proper installation. (Materials used and Workmanship must be approved by the Project Incharge Assigned).

V. PAINTING WORKS

- The work includes all materials, labor and equipment necessary for the Painting Works. The work includes the proper cleaning of surfaces before applying primers and the final coating. Proper cleaning includes sanding the surfaces and removing dust particles using rugs. Also applying Finishes and Top coats must be applied adequately (Materials used and Workmanship must be Approved by the Project Incharge Assigned).

VI. DOORS AND WINDOWS

- The work includes all materials, labor and equipment necessary for the Fabrication and Installation of Doors and Windows. Specifications and Sizes are indicated in the program and plans. (Materials used and Workmanship must be Approved by the Project Incharge Assigned).

VII. ELECTRICAL WORKS

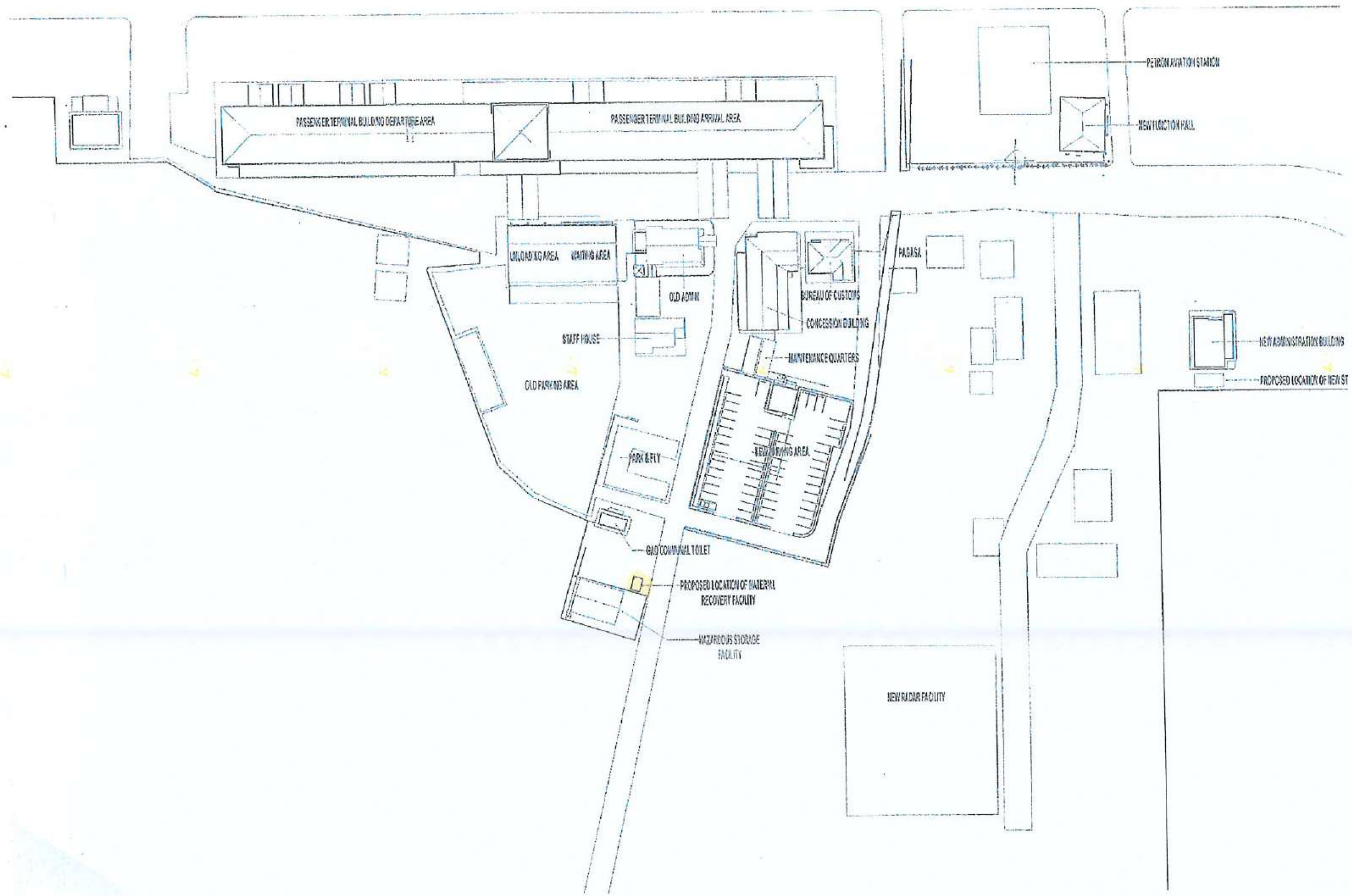
- The work includes all materials, labor and equipment necessary for the Electrical Works. This includes installation of lighting, wiring devices, panel board, etc. Specifications and Sizes are indicated in the Program ad Plans. (Materials used and Workmanship must be Approved by the Project Incharge Assigned).

VIII. PLUMBING WORKS

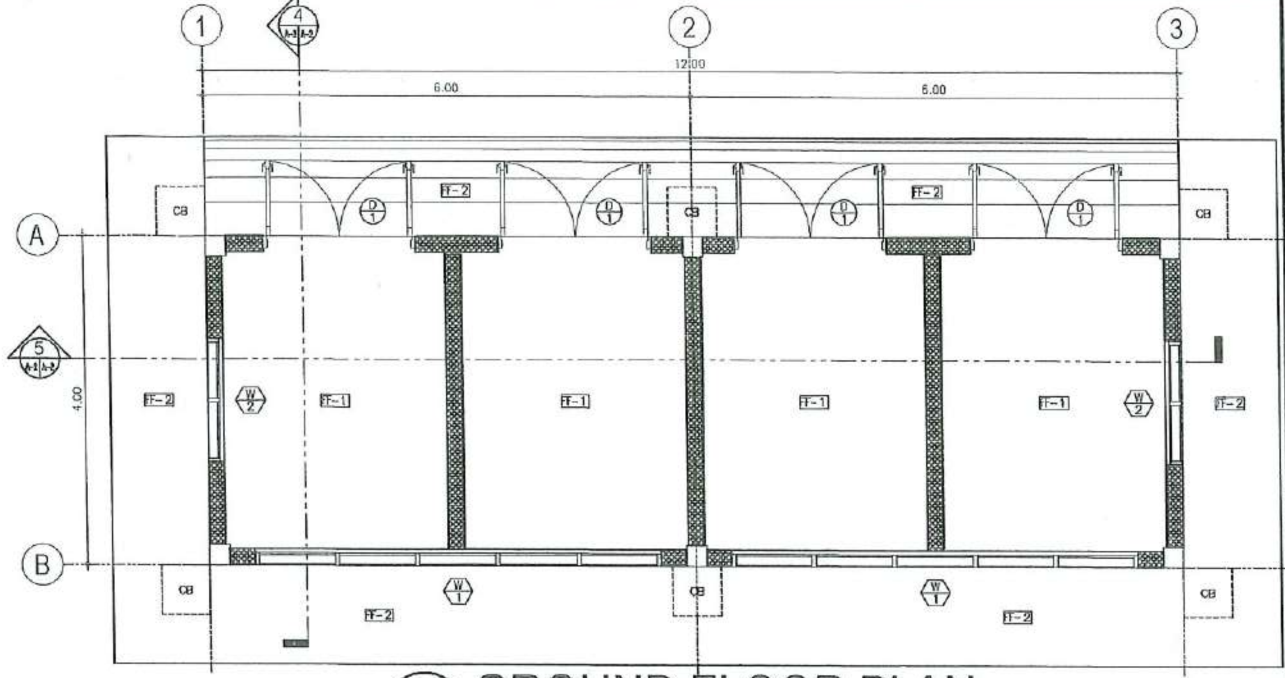
- The work includes all materials, labor and equipment necessary for the Plumbing Works. The contractor/service provider shall undertake the construction of storm drain for the Materials Recovery Facility. Specifications and Sizes are indicated in the Program ad Plans. (Materials used and Workmanship must be Approved by the Project Incharge Assigned).

IX. OTHER GENERAL REQUIREMENTS

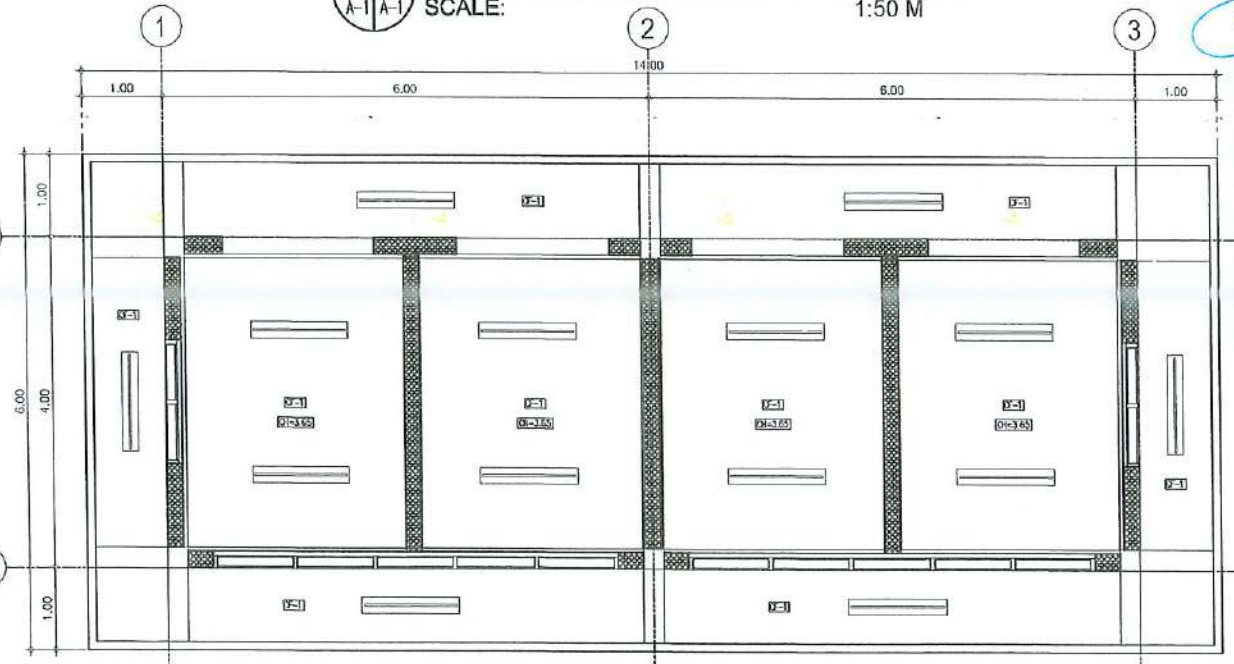
- Every personnel that will be working on the restricted area shall wear necessary Personal Protective Equipment. Safety officer will be present during the Implementation of the Project.


PETRON AVIATION STATION
NEW FUNCTION HALL
PASSENGER TERMINAL BUILDING DEPARTURE AREA
PASSENGER TERMINAL BUILDING ARRIVAL AREA
UNLOADING AREA
WAITING AREA
OLD ADMIN
PAGASA
BUREAU OF CUSTOMS
CONCESSION BUILDING
STAFF HOUSE
MAINTENANCE QUARTERS
NEW ADMINISTRATION BUILDING
PROPOSED LOCATION OF NEW ST
OLD PARKING AREA
PARK & FLY
OLD COMMUNAL TOILET
PROPOSED LOCATION OF MATERIAL
RECOVERY FACILITY
HAZARDOUS STORAGE
FACILITY
NEW RADAR FACILITY

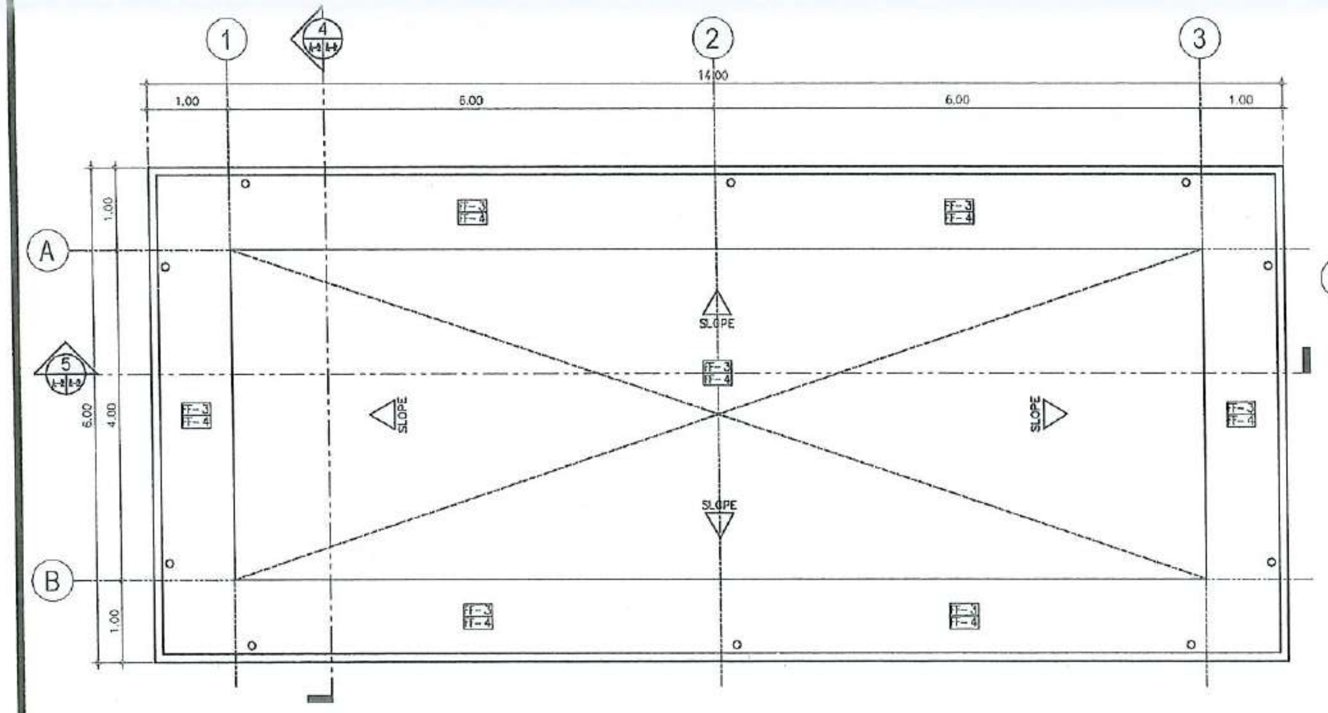
## 1 PERSPECTIVE
A-1 | A-1 SCALE: NTS




## 2 GROUND FLOOR PLAN
A-1 | A-1 SCALE: 1:50 M




## 4 REFLECTED CEILING PLAN
A-1 | A-1 SCALE: 1:50 M




## 3 ROOF DECK PLAN
A-1 | A-1 SCALE: 1:50 M

### L E G E N D

| FLOOR | | SYMBOLS | |
|---|---|---|---|
| FF-1 | HEAVY DUTY RUBBERIZED PAINT FINISH | FF- | FLOOR FINISH |
| FF-2 | POURED CONCRETE SLAB IN BROOM FINISH | WF- | WALL FINISH |
| FF-3 | TORCH APPLIED WATERPROOFING MEMBRANE | CF- | CEILING FINISH |
| FF-4 | 2" THK. CONCRETE TOPPING WITH 100MM x 100MM STEEL MESH | CH= | CEILING HEIGHT |
| WALL | | D | DOOR MARK |
| WF-1 | PLAIN CEMENT SMOOTH PLASTERED WALL IN ELASTOMERIC | W | WINDOW MARK |
| | SEMI-GLOSS PAINT FINISH | | 150 MM THK CHB WALL |
| CEILING | | | INDUSTRIAL TYPE LED TUBE LIGHTING FIXTURE WITH ALUMINUM REFLECTOR |
| CF-3 | POURED CONCRETE IN FLAT WHITE LATEX PAINT FINISH | | |

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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| DRAWN BY: | | |
| CHECKED BY: | | |

REVIEWED BY:

RENZ ALDRINE A. CORPUZ
Engineer

PREPARED BY:

JUNAR R. TOMAS
Admin Support Staff

CHECKED/VERIFIED:

JOEFFREY B. LAGADON
Engineer II

APPROVED BY:

RONALD V. ESTABILLO
Civil Aviation Area Manager, Area I

NOTES/REVISIONS:

PROJECT:

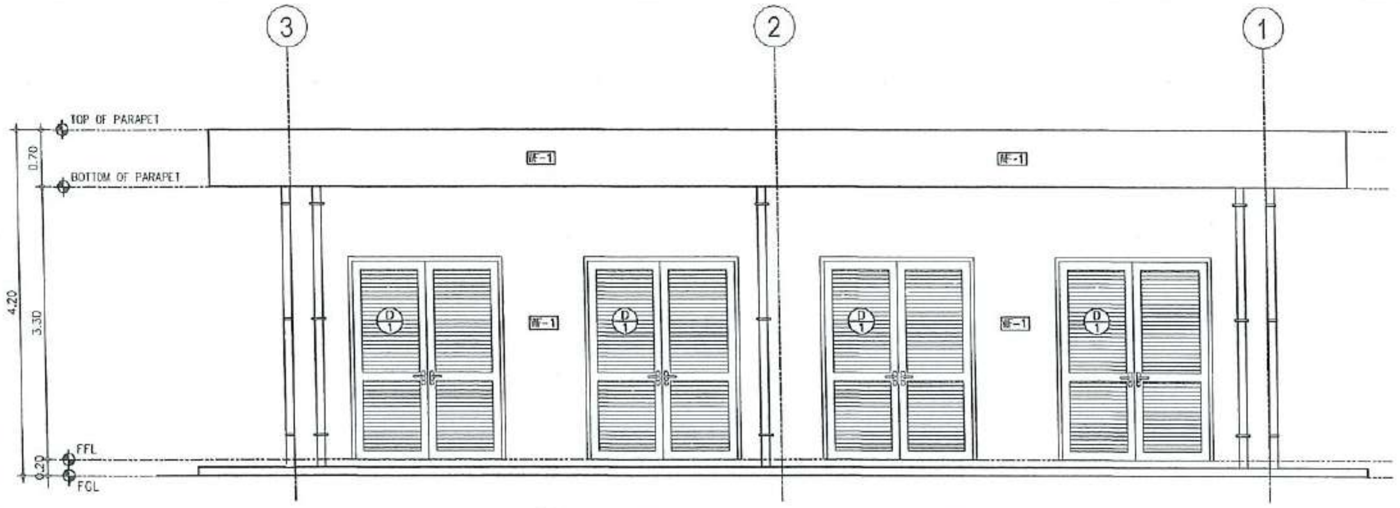
PROJECT NAME

LOCATION:

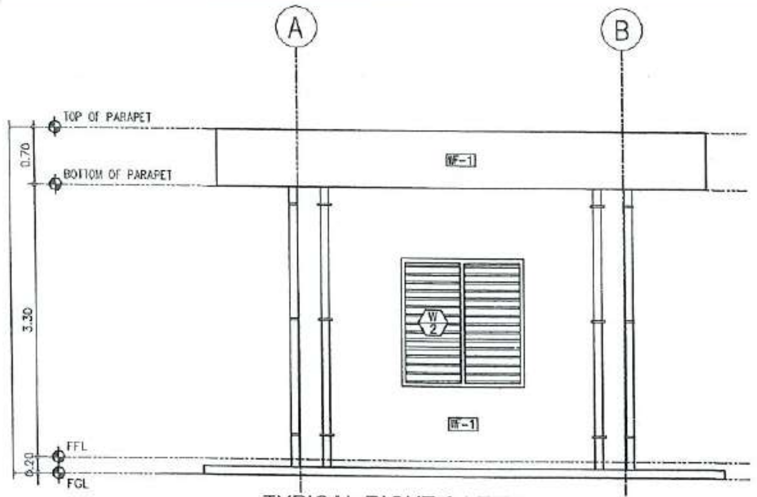
VARIOUS AIRPORTS

SHEET CONTENTS:
- PERSPECTIVE
- GROUND FLOOR PLAN
- ROOF DECK PLAN
- REFLECTED CEILING PLAN

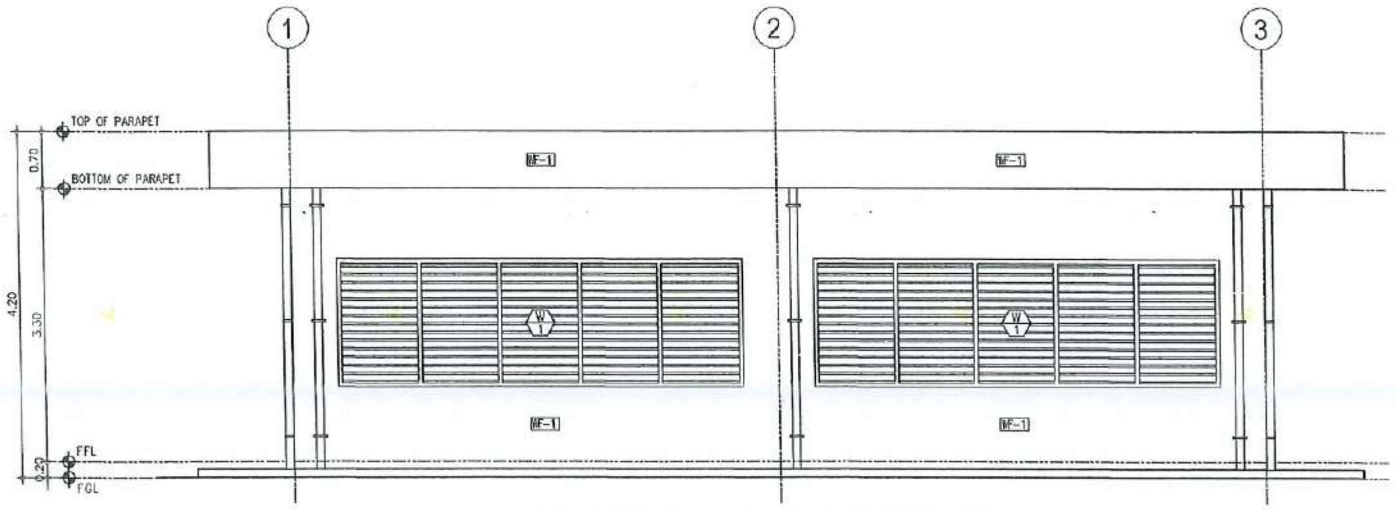
| DRAWING SCALE: | SHEET NO: |
|---|---|
| AS SHOWN | A-1 |



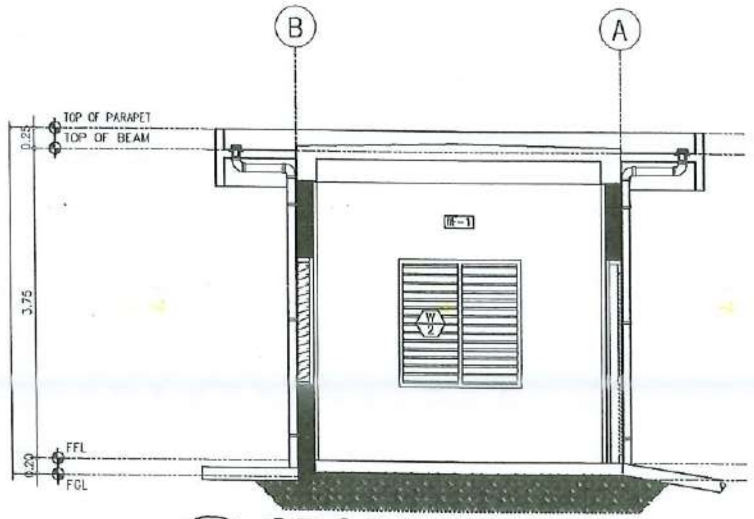

1 FRONT ELEVATION
A-2 A-2 SCALE: 1:50 M



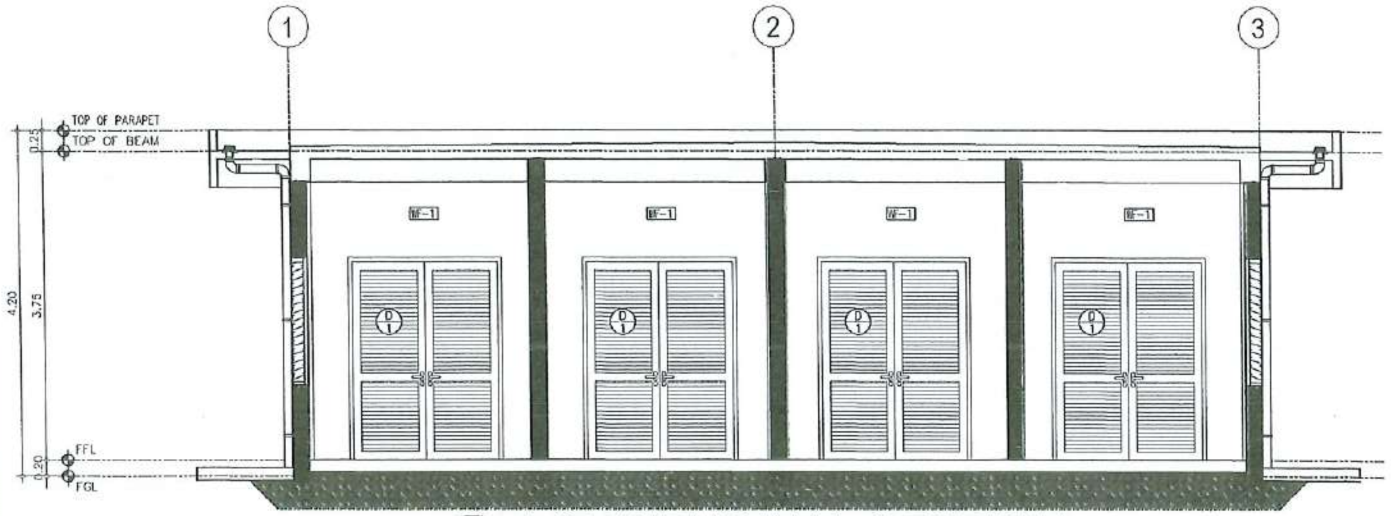

TYPICAL RIGHT & LEFT
2 SIDE ELEVATION
A-2 A-2 SCALE: 1:50 M



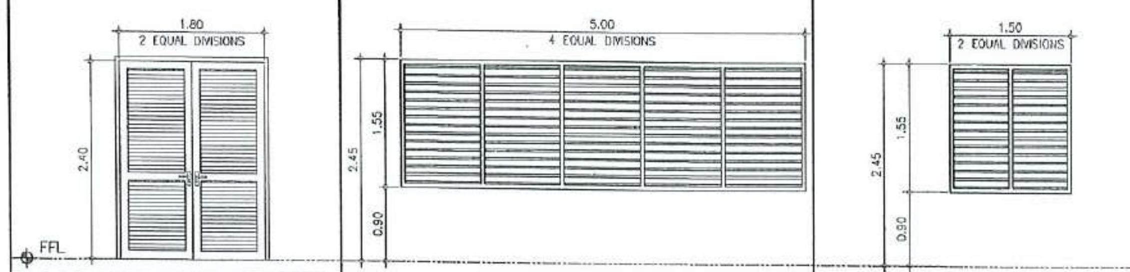

3 REAR ELEVATION
A-2 A-2 SCALE: 1:50 M




4 CROSS SECTION
A-2 A-2 SCALE: 1:50 M




5 LONGITUDINAL SECTION
A-2 A-2 SCALE: 1:50 M




| | | | | | |
|---|---|---|---|---|---|
| D 1 | 2-LEAF SINGLE SWING STEEL LOUVERED DOOR IN SPRAY APPLIED EPOXY PAINT FINISH | W 1 | GA. 18 STEEL STORM LOUVER WINDOW IN SPRAY APPLIED EPOXY PAINT FINISH | W 2 | GA. 18 STEEL STORM LOUVER WINDOW IN SPRAY APPLIED EPOXY PAINT FINISH |
| DIMENSIONS: | 1800MM x 2400MM (EXCLUDING DOOR JAMB) | DIMENSIONS: | 5000MM x 1550MM | DIMENSIONS: | 1500MM x 1550MM |
| HARDWARES: | BUTT HINGES; CHROME LEVER TYPE LOCKSET; DOOR STOPPER; HEAVY DUTY DOOR CLOSER | HARDWARES: | | HARDWARES: | |
| NO. OF SETS: | 4 SETS | NO. OF SETS: | 2 SETS | NO. OF SETS: | 2 SETS |
| J | 50MM X 150MM STEEL FRAME IN SPRAY APPLIED EPOXY PAINT FINISH | J | 50MM X 150MM STEEL FRAME IN SPRAY APPLIED EPOXY PAINT FINISH | J | 50MM X 150MM STEEL FRAME IN SPRAY APPLIED EPOXY PAINT FINISH |
| M | 50MM X 150MM STEEL FRAME IN SPRAY APPLIED EPOXY PAINT FINISH | M | 50MM X 150MM STEEL FRAME IN SPRAY APPLIED EPOXY PAINT FINISH | M | 50MM X 150MM STEEL FRAME IN SPRAY APPLIED EPOXY PAINT FINISH |

6 SCHEDULE OF DOOR & WINDOWS
A-2 A-2 SCALE: 1:50 M

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

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SHEET CONTENTS:
- ELEVATIONS
- SECTIONS
- SCHEDULE OF DOORS & WINDOWS

| DRAWING SCALE: | SHEET NO: |
|---|---|
| 1:50 M | A-2 |

# CONSTRUCTION NOTES:

A. GENERAL

1. CONSTRUCTION NOTES AND TYPICAL DETAILS APPLY TO ALL UNLESS OTHERWISE SHOWN OR NOTED. MODIFY TYPICAL DETAILS AS DIRECTED TO MEET SPECIAL CONDITIONS.
2. SHOP DRAWINGS WITH ERECTION AND PLACING DIAGRAMS OF ALL STRUCTURAL STEEL, MISCELLANEOUS IRON, PRE-CAST CONCRETE ETC. SHALL BE SUBMITTED FOR ENGINEER'S APPROVAL BEFORE FABRICATION.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE ALL WORK IS TO BEGIN. CHECK WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR CONDUITS, PIPE SLEEVES, ETC. TO BE EMBEDED IN CONCRETE.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE SHORINGS AND BRACING OF THE STRUCTURE FOR ALL LOADS THAT MAYBE IMPOSED DURING CONSTRUCTION.

B: CONCRETE AND REINFORCEMENT

1. ALL MATERIALS WORKMANSHIP SHALL CONFORM WITH THE LATEST BUILDING CODE OF AMERICAN CONCRETE INSTITUTE (ACI-318).
2. ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH AT THE END OF TWENTY EIGHT (28) DAYS WITH CORRESPONDING MAXIMUM SIZE AGGREGATE AND SLUMPS AS FOLLOWS

| LOCATION | 28 DAYS STRENGTH | MAX. SIZE AGGREGATE | MAX. SLUMP |
|---|---|---|---|
| ALL STRUCTURE | 3000 PSI | 3/4 in. (19 mm) | 6 in. (150 mm) |

3. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 40 FOR ø12 & SMALLER REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60 FOR ø16 & BIGGER
4. IN GENERAL, THE LATEST EDITION OF ACI-315, MANUAL OF STANDARD PRACTICE DETAILING REINFORCED CONCRETE STRUCTURES SHALL BE ADHERED TO UNLESS OTHERWISE SHOWN OR NOTED.
5. MAINTAIN MINIMUM CONCRETE COVER FOR REINFORCING STEEL AS FOLLOWS.

| | |
|---|---|
| SUSPENDED SLABS | 3/4 in. (19mm) |
| SLAB ON GRADE | 1 1/2 in. (38mm) |
| WALLS ABOVE GRADE | 1 in. (25mm) |
| BEAM STIRRUPS AND COLUMN TIES | 1 1/2 in. (38mm) |
| WHERE CONCRETE IS EXPOSED TO EARTH BUT POURED AGAINST FORMS | 2 in. (50mm) |
| WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH | 3 in (75mm) |

C: MASONRY AND CONCRETE BLOCKS

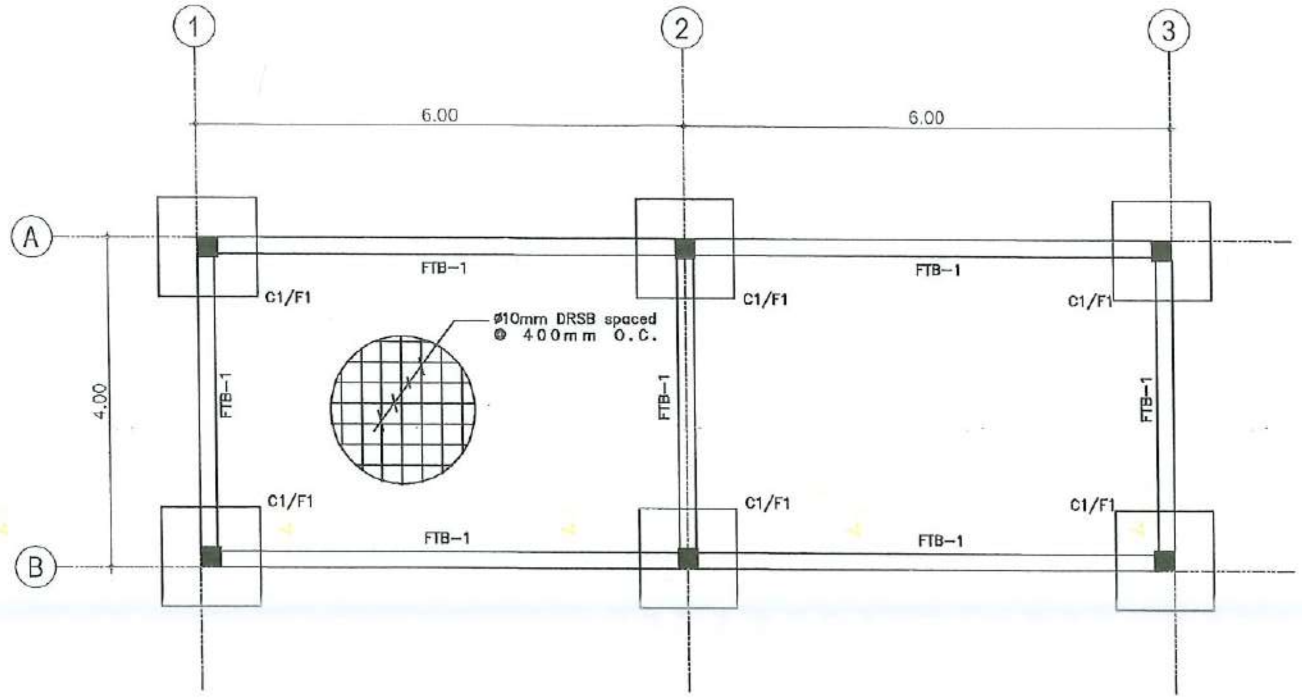
1. ALL-LOAD BEARING TYPE CONCRETE BLOCKS SHALL HAVE A UNIT WEIGHT NOT TO EXCEED 80 PCF. FOR LOAD BEARING TYPE CONCRETE BLOCKS A MINIMUM COMPRESSIVE STRENGTH OF 6.90 MPA. SHALL BE DEVELOPED.
2. PROVIDE 1-ø16 VERTICAL BARS AT CORNERS, INTERSECTIONS, END OF WALLS, EACH SIDE OF OPENINGS.
3. LINTEL BEAMS SHALL BEAR AT LEAST 8 INCHES (200 MM.) ON EACH SIDE OF MASONRY WALL OPENING.
4. WALL REINFORCEMENTS SHALL BE AS FOLLOWS:

| WALL THICKNESS | VERTICAL REINFORCEMENT |
|---|---|
| 6 IN (150 mm) | ø10 @ 600 mm |

5. REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 40 BARS DIAMETERS WHERE SPLICED DOWELS FROM CONCRETE FOOTINGS OR SLABS EXTEND INTO THE BLOCK WALL A MINIMUM OF 40 BAR DIAMETERS, AND DOWELS TO MATCH VERTICAL REINFORCEMENTS OF WALL.
6. ALL CELLS CONTAINING REINFORCING BARS OR INSERTS SHALL BE SOLIDLY FILLED WITH CONCRETE GROUT, (REFER TO SPECIFICATIONS).

D: FOUNDATION

1. FOUNDATION IS DESIGNED BASED ON THE ASSUMPTION OF 100 KPA SOIL BEARING CAPACITY FOR FOOTING NOT LESS THAN 1.0M.
2. FOUNDATION SHALL REST ON NATURAL SOIL, UNLESS OTHERWISE NOTED BY THE ENGINEER, NO PART OF THE FOUNDATION SHALL REST ON FILL.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AFTER FOOTING EXCAVATION HAVE BEEN COMPLETED AND PRIOR TO CONCRETING TO CONFIRM THE DESIGN SOIL BEARING CAPACITY.
4. THE CONTRACTOR SHALL HAVE THE SOLE RESPONSIBILITY TO DEVISE & IMPLEMENT EXCAVATION PROCEDURES THAT WILL ENSURE SAFETY OF LIFE & PROPERTY.




1 S-1 S-1 FOUNDATION PLAN
SCALE: 1:50 M

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Engineer II

APPROVED BY:

RONALD V. ESTABILLO
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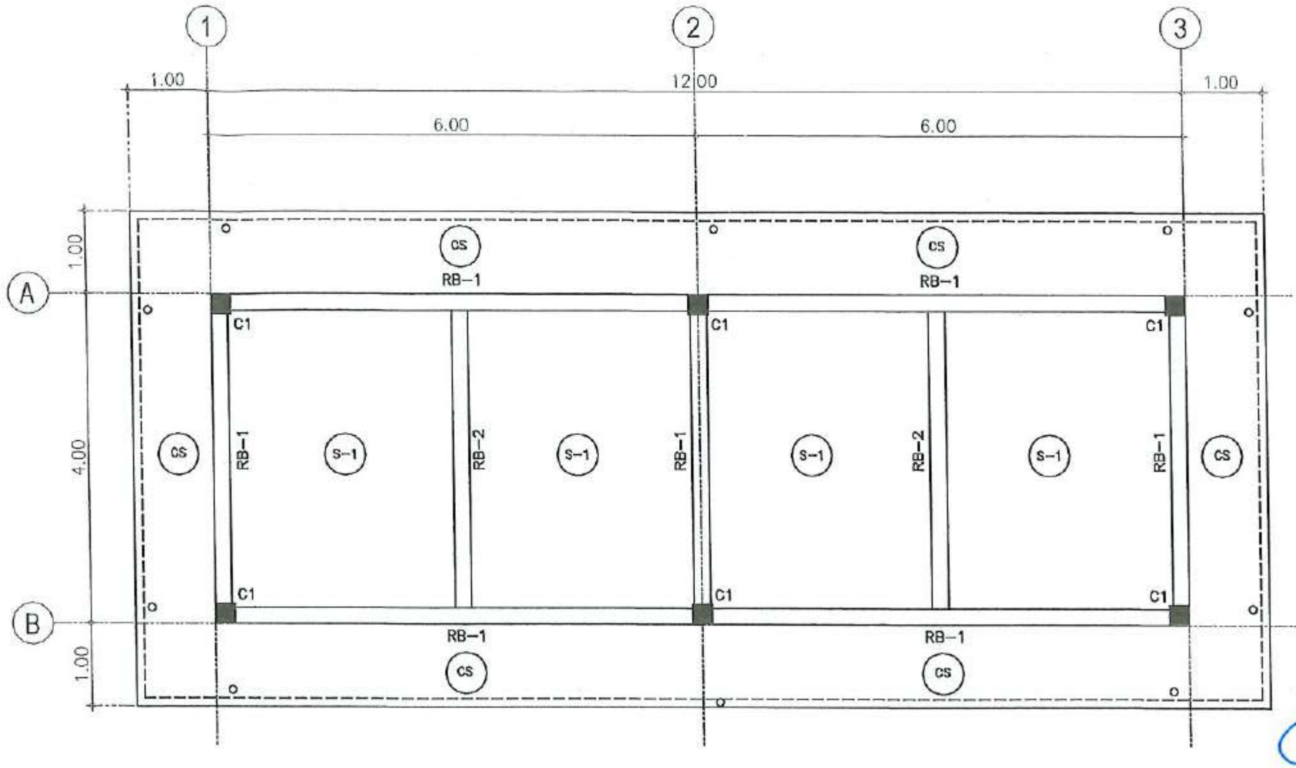
SHEET CONTENTS:

- CONSTRUCTION NOTES
- FOUNDATION PLAN

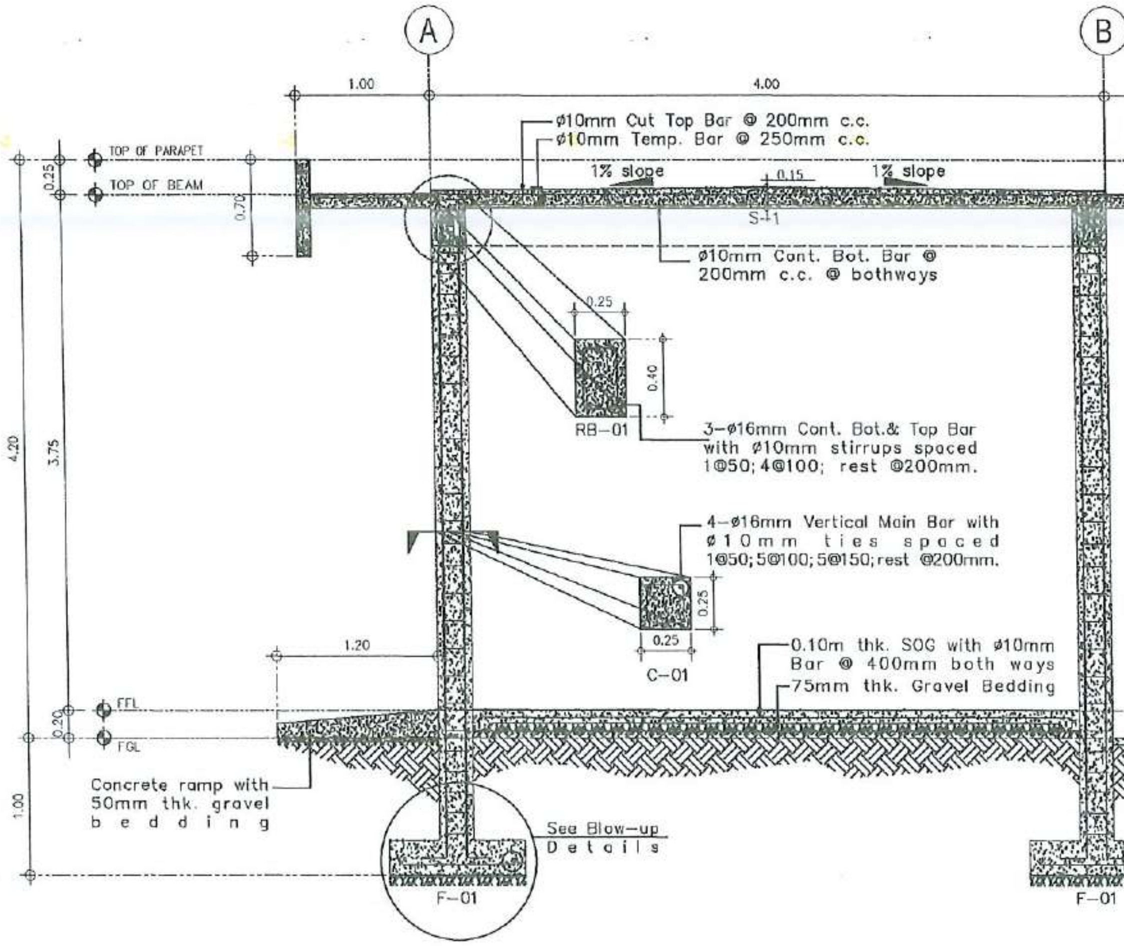
| DRAWING SCALE: | SHEET NO: |
|---|---|
| 1:50 M | S-1 |

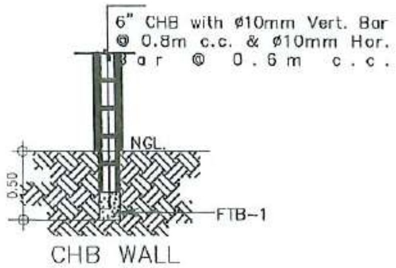
| SCHEDULE OF R.C. BEAMS | | | | | | | |
|---|---|---|---|---|---|---|---|
| MARK | SIZE (mm) | | REBAR (ømm) | TOP BARS (ømm) | BOT. BARS (ømm) | STIRRUPS | |
| | b | h | | CONT. | CONT. | | |
| FTB–1 | 150 | 200 | ø16 | 2 | 2 | 1–10ø | 1@50, 5@100, REST 200 |
| RB–1 | 250 | 400 | ø16 | 3 | 3 | 1–10ø | 1@50, 4@100, REST 200 |
| RB–2 | 200 | 300 | ø16 | 3 | 3 | 1–10ø | 1@50, 8@100, REST 200 |

| SCHEDULE OF R.C. SLABS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MARK | t (mm) | BOTTOM BARS | | TOP BARS | | | | REMARKS |
| | | ALONG LONG SPAN | ALONG SHORT SPAN | ALONG LONG SPAN | | ALONG SHORT SPAN | | |
| | | | | CUT BAR | TEMP. BAR | CUT BAR | TEMP. BAR | |
| S–1 | 150 | ø10@200 | ø10@200 | ø10@200 | ø10@250 | ø10@200 | ø10@250 | TWO WAY |
| CS | 120 | ø10@200 | ø10@200 | – | ø10@250 | ø10@200 | – | CANTILEVER |

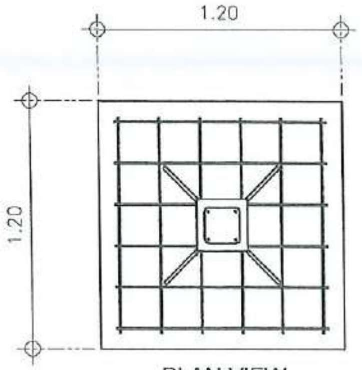



# 1 TYPICAL ROOF FRAMING PLAN
S-2 | S-2 SCALE: 1:50 M

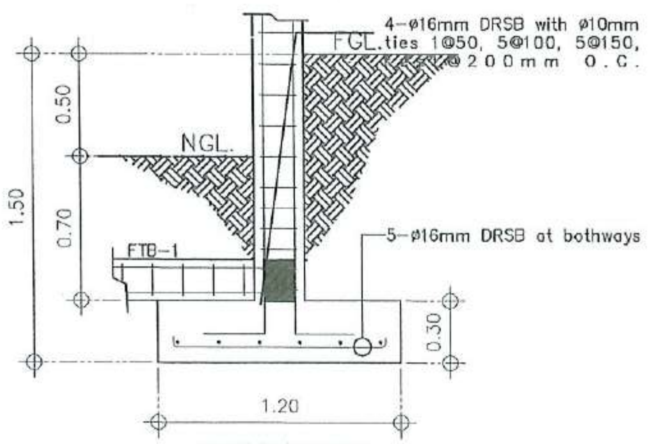



# 3 DETAILED SECTION
S-2 | S-2 SCALE: NTS




PLAN VIEW




SECTION VIEW

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PROJECT NAME

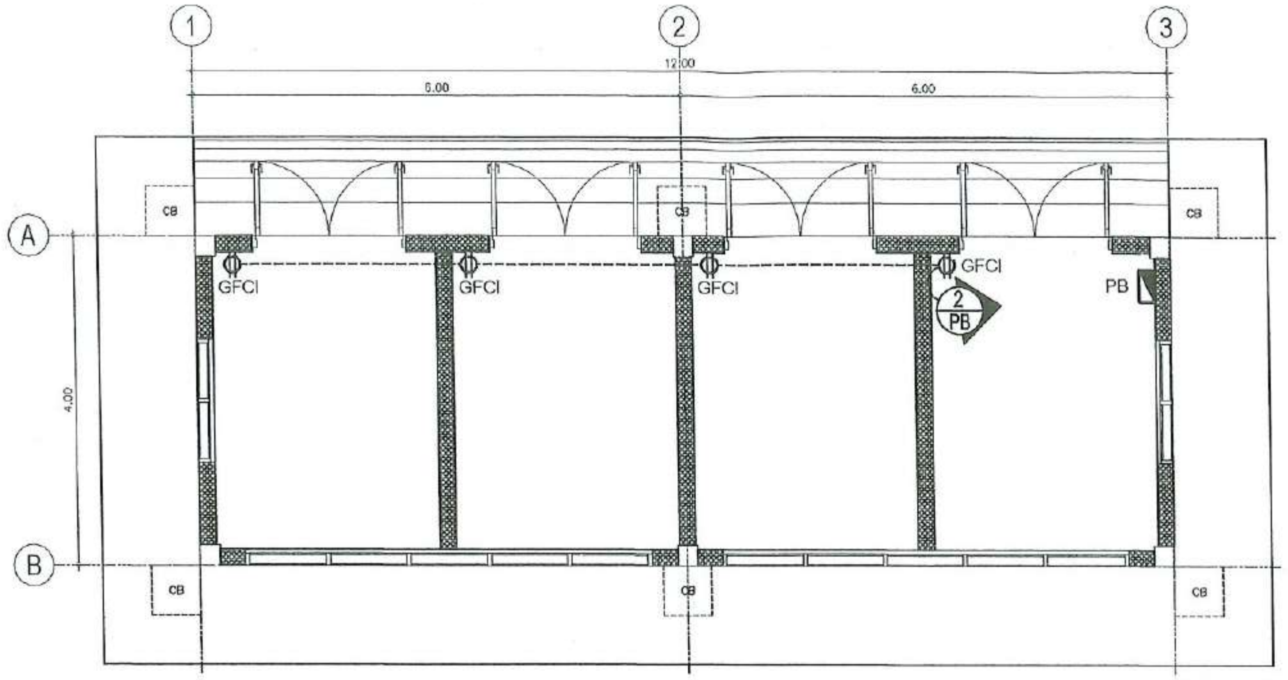
LOCATION:
VARIOUS AIRPORTS

SHEET CONTENTS:
- SCHED OF BEAMS & SLABS
- BAY SECTION
- ROOF FRAMING PLAN
- FOOTING DETAILS

| DRAWING SCALE: | SHEET NO: |
|---|---|
| AS SHOWN | S-2 |

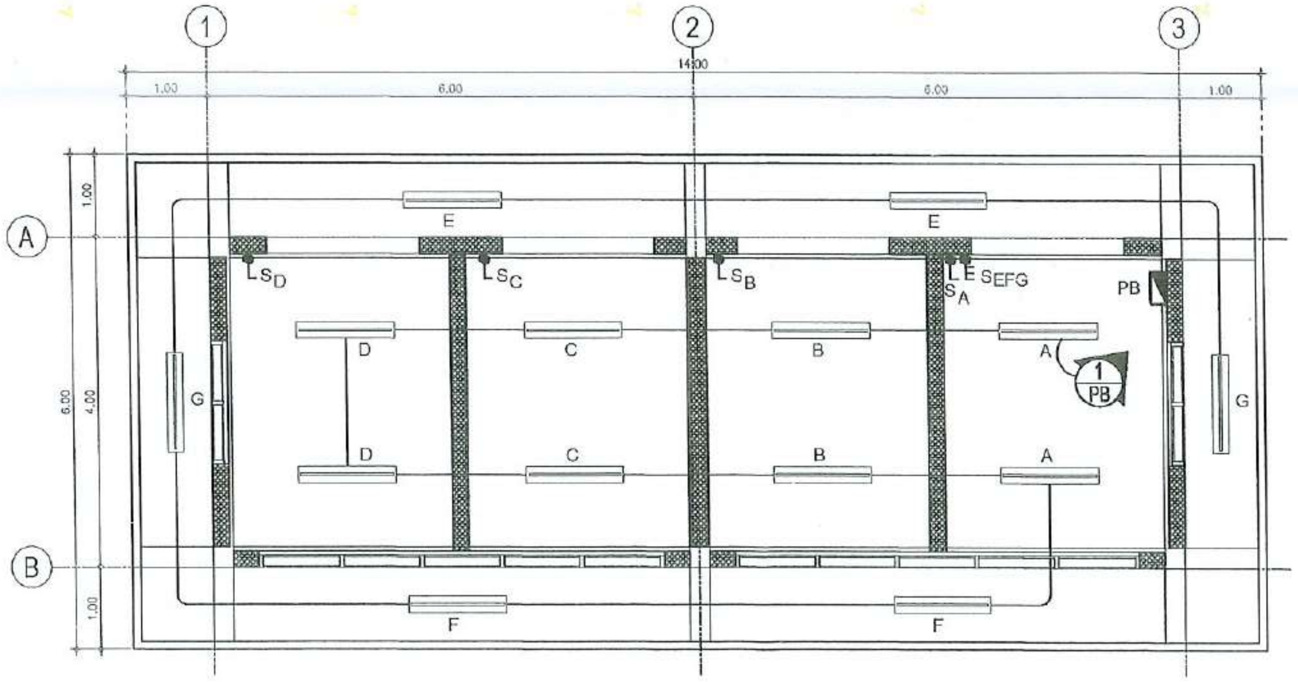
LEGEND:

| | |
|---|---|
| GFCI | GROUND FAULT CIRCUIT INTERRUPTER DUPLEX OUTLET, 20 AMPERE, 250 VOLTS |
| $S_{AB}$ | ONE-GANG SWITCH, 16A, 250V, WIDE SERIES |
| $S_{EFG}$ | THREE-GANG SWITCH, 16A, 250V, WIDE SERIES |
| | FLUORESCENT LUMINAIRE, IP65 WATER PROOF, MOISTURE PROOF, DUST PROOF, CORROSION PROOF WITH POLYCARBONATE COVER WITH 1x18W 1800LM 6500K LED TUBE |




1 E-1 E-1 POWER LAYOUT PLAN

SCALE: 1:50 M




2 E-1 E-1 LIGHTING LAYOUT PLAN

SCALE: 1:50 M

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SHEET CONTENTS:

- POWER LAYOUT PLAN
- LIGHTING LAYOUT PLAN

| DRAWING SCALE: | SHEET NO: |
|---|---|
| | E-1 |

**SCHEDULE OF LOADS: PANEL PB: 230VOLTS L-L, SINGLE-PHASE, 2WIRE + G**

| CKT. No. | LOAD DESCRIPTION | NO. OF OUTLET | VOLTS | VA PER CIRCUIT | PHASE | AMPERE RATING | CB RATING | | | NUMBER & SIZE OF WIRE | SIZE OF CONDUIT |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | AT | AF | P | | |
| 1 | LIGHTING OUTLET | 14 | 230 | 280 | 1 | 1.22 | 20 | 100 | 2 | 2 - 3.5mm² THHN/THWN-2 CU WIRE + 1 - 3.5mm² THHN/THWN-2 CU WIRE (G) | 15mmØ EMT CONDUIT |
| 2 | GFCI OUTLET | 4 | 230 | 1500 | 1 | 6.52 | 20 | 100 | 2 | 2 - 3.5mm² THHN/THWN-2 CU WIRE + 1 - 3.5mm² THHN/THWN-2 CU WIRE (G) | 15mmØ EMT CONDUIT |
| 3 | SPACE | | | | | | | | | | |
| 4 | SPACE | | | | | | | | | | |
| | T O T A L | | | 1780 | | 7.74 | | | | | |

COMPUTATION:

$I_T$ = 7.74 A

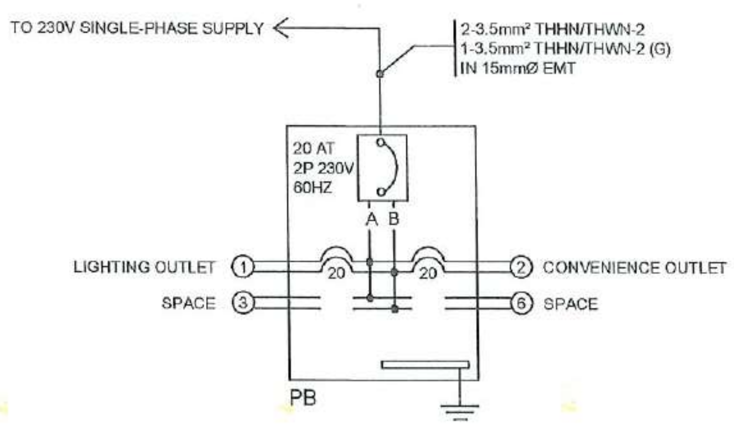
FOR THE FEEDER CONDUCTORS:

USE: 2 - 3.5mm² THHN/THWN-2 COPPER WIRE
1 - 3.5mm² THHN/THWN-2 COPPER WIRE (G)
IN 15mmØ EMT CONDUIT

FOR THE FEEDER CIRCUIT PROTECTION:

USE: 20AT, 100AF, 2-POLE, 230V, 25KAIC MCCB

1 E-2 E-2 **SCHEDULE OF LOADS**
SCALE: NTS




2 E-2 E-2 **PANEL BOARD DETAILS**
SCALE: NTS

REPUBLIC OF THE PHILIPPINES

CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
*AERODROME DEVELOPMENT AND MANAGEMENT SERVICE*
NAIA ROAD, 1300 PASAY CITY



AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

| DESIGN STAFF: | INITIAL / DATE | |
|---|---|---|
| DESIGNED BY: | | |
| DRAWN BY: | | |
| CHECKED BY: | | |
| | | |
| | | |
| | | |

REVIEWED BY:

RENZ ALDRINE A. CORPUZ
Engineer

PREPARED BY:

JUNAR R. TOMAS
Admin Support Staff

CHECKED/VERIFIED:

JOEFFREY B. LAGADON
Engineer II

APPROVED BY:

RONALD V. ESTABILLO
Civil Aviation Area Manager, Area I

NOTES/REVISIONS:

PROJECT:

PROJECT NAME

LOCATION:

VARIOUS AIRPORTS

SHEET CONTENTS:

- SCHEDULE OF LOADS
- PANEL BOARD DETAILS

| DRAWING SCALE: | SHEET NO: |
|---|---|
| | E-2 |