

The use of long screws and bushings is prohibited.

**3. Joints**

Joints and connections in the plumbing system shall be gas-tight and watertight for the pressures required by the test.

After cutting and before threading all pipes shall be reamed and shall have burrs removed. All screwed joints shall be applied with an approved graphite compound or TEFLON tape to facilitate connections. Threads shall be full cut and not more than three threads on the pipe shall remain exposed.

Caulking of threaded joints or top to prevent leaks shall not be permitted.

Unions shall be provided where required for disconnection. Threaded swing bolts shall be used for branch connections to risers and mains.

**4. Unions**

Where required unions shall not be concealed in walls, ceilings or partitions.

**5. Tests**

The following tests shall be conducted by the Contractor at his expense under the supervision of the Engineer.

**a. Tests for Drainage and Venting System**

The entire drainage and venting system shall have necessary openings plugged to permit the entire system to be filled with water to the level of the highest vent stack above the roof. The system shall hold the water for 30 minutes with a drop not greater than 100mm.

**b. Sterilization**

The entire water supply piping system shall be sterilized with a solution containing not less than fifty (50) parts per million of available chlorine, either liquid chlorine or a solution of sodium hypochlorite. The sterilizing solution shall remain in the system for a period of not less than 8 hours during which time all valves and faucets shall be opened and closed several times. After sterilization, the solution shall be flushed from the system with clean water until the residual chloride content is not more than 0.2 parts per million.

**c. Pressure Test for Water Lines**

1. After the pipe has been installed, the joints are completed and with joints exposed for examination, all newly installed pipe or any valve section, thereof, shall be subjected to hydrostatic pressure one and one half (1½) the designed working pressure of the system or as specified by the Engineer.
2. The duration of each pressure test shall be at least 20 minutes unless otherwise specified by the Engineer.

- 3. Each section of the pipeline shall be slowly filled with water and the specified test pressure, measured at the point of lowest elevation, shall be applied by means of a pump connected to the pipe in a manner satisfactory to the Engineer. During the filling of the pipe and before applying the test pressure, all air shall be expelled from the pipeline. To accomplish this, tap shall be made if necessary, at the highest point of the pipe under test and after completion of the test, the taps shall be tightly plugged unless otherwise specified. During the test, all exposed pipes, fittings, valves, joint and couplings will be carefully examined. If found to be cracked or defective, they shall be removed and replaced by the Contractor with sound materials at his expense. The test shall then be repeated until satisfactory results are obtained.

d. Leakage Test for Water Lines

- 1. Leakage test shall be conducted after satisfactory completion of the pressure test and shall consist of an examination of all exposed joints for leakage as well as an overall leakage test of the completed pipeline.
- 2. The pressure to be maintained during the test shall be the designed working pressure of the system.
- 3. Leakage test shall be made only after a minimum of 24 hours after the pipe to be tested has been filled with water.
- 4. The duration of each leakage test shall be two hours unless otherwise specified by the Engineer.
- 5. Each section of pipeline shall be slowly filled with water and the specified test pressure, measured at the point of lowest elevation shall be applied by means of a positive displacement type pump and reservoir connected to the pipe in a manner satisfactory to the Engineer.
- 6. Before starting the leakage test, all air shall be expelled from the pipe. All exposed pipes, fittings, valves and joints shall be examined for leakage during the test.
- 7. Allowable leakage rate per 100 joints per inch of Pipe Diameter at Pressure Stipulated.

PRESSURE		LEAKAGE RATE	
psi	kg/cm <sup>2</sup>	liters/hr.	liters/2 hrs.
50	3.50	1.45	2.90
75	5.30	1.75	3.50
100	7.00	2.05	4.10
125	8.80	2.30	4.60
150	10.50	2.50	5.00
200	14.00	2.90	5.80

e. Defective Work

- 1. If the inspection or test shows any defect, such defective work or material shall be replaced and the test shall be repeated until satisfactory to the Engineer.
- 2. All repairs to piping shall be made with new materials at the expense of the Contractor.

3. No caulking of screwed joints or holes will be accepted.

#### ASSEMBLY, INSTALLATION AND CONNECTION OF FIXTURES

Fixtures shall be supported and fastened in a satisfactory manner. Where secured to concrete or masonry work walls, fixtures and equipment shall be fastened with brass bolts or machine screws in lead-sleeve type anchorage units or with brass expansion bolts. Expansion bolts shall enter 7.5 cm into solid concrete or masonry works and shall be fitted with loose tubing or sleeves of proper length to bring expansion sleeves into the solid concrete masonry walls.

Where wood screws are used, screws shall go into solid pieces set between studs. Where through-bolts are used, bolts shall be provided with plates or washers at back set, so that they will be concealed by plaster. Bolts and nuts shall be hexagonal and exposed nuts, cap nuts, and screw heads shall be provided with chromium plated brass washers.

#### PROTECTION OF FIXTURES

Pipe openings shall be closed with caps or plugs during installation. Fixtures shall be tightly covered and protected against dirt, water and chemical injury. At the completion of all works, all fixtures shall be thoroughly cleaned and delivered in a condition satisfactory to the Engineer.

#### FIXTURES AND FASTENING

All fixtures shall be supported and fastened in a satisfactory manner as follows:

1. Where secured to concrete or concrete hollow block walls, they shall be fastened with one quarter inch brass bolts with twenty threads to the inch and of sufficient length to extend at least 7.5 cm into solid concrete or hollow block work, fitted with loose tubing or sleeve insert and shall be securely anchored and installed flush with the finished wall and shall be completely concealed when the fixtures are installed.
2. Where through-bolts are used, they shall be provided with plates or washers back set so that heads, nuts and washers will be concealed by plaster. Bolts and nuts shall be hexagonal. Exposed bolts, nuts, capnuts and screw heads shall be provided with chromium plated brass washers.

## **GUARANTEE**

Upon completion and before final acceptance of the equipment installation, the Contractor shall furnish the Engineer a written guarantee stating that all equipment installed under this Section free from defects. The guarantee shall be for a period of one (1) year from the date of final acceptance of the work. Any part of the equipment that becomes defective during the term of the guarantee shall be replaced, renewed and/or made good by the Contractor, at his own expense and in a manner satisfactory to the Engineer.

Guarantees made by the approved manufacturers or suppliers beyond one year, shall be transferred to PPA without any expense on his part.

## **CLEANING UP**

Upon completion of the work, all parts of the installation shall be thoroughly cleaned of grease, metal cuttings and sludge which may have accumulated during the testing operation.

## **PLUMBING, FIXTURES AND TOILET ACCESSORIES INSTALLATION**

All installation works shall be as shown on the drawings and shall conform to the applicable standards set forth by the Philippine National Plumbing Code. All fixtures shall be fastened and/or supported in accordance with the given requirements.

## **ITEM 8 : ALUMINUM COMPOSITE PANEL**

### **GENERAL**

General Requirements contain provisions and requirements essential to these Specifications; and apply to this section, whether or not referred to herein.

### **SCOPE OF WORK**

The work covered by this section consist of furnishing all labor, materials, equipment, tools and incidentals necessary to undertake, complete the installation of Aluminum Composite Panel cladding as indicated on the drawings and as specified herein.

### **I.INTRODUCTION**

#### **A. MATERIAL COMPOSITION**

Aluminum Composite Panel (ACP) is a lightweight durable panel made of laminated aluminum and polyethylene core compound, coated with an advanced fluorocarbon paint Polyvinylidene Flouride (PVDF) to ensure the excellent durability of the surface finish. It is an excellent material for exterior and Interior cladding of new building construction as well as retro fit applications. It also has a high degree of levelness top reserve the fine architectural design and can be roller bended to suit various design shapes. The laminated structure of ACP ensures exceptional strength of the panel.

#### **THICKNESSES:**

3mm (Polyester) 4 to 6mmPVDF/+Nano

#### **B. CHARACTERISTICS**

1. Flatness—as the composite material is rigid, the flat surface can be preserved. This is considered a major advantage of ACP.
2. Fire Resistance—ACP are laminated at Temperatures from 200° to 250° to bond aluminum sheets to the polyethylene core. The non-flammable aluminum cover sheets protect the plastic core.
3. Light Weight—as the weight is less than ½ to ⅓ Of the weight of porcelain enamel, iron, copper, stainless and other metal panels, consequently it can reduce the weight of the building.
4. Durability—ACP is highly resistant to chemical corrosion due to the PVDF coating. The composite material is rigid, resistant to blows, breakage, and pressure and has high bending and breaking strength.

**SPECIFICATION**

- I. Aluminum Composite Panel (ACP) must be composed of density polyethylene core sandwiched between two sheets of aluminum,
- II. It must be strong, lightweight approximately 5.5kg/sqm. But must be exceptionally flat.
- III. The ACP composition
  - Two sheets of aluminum
  - Front side aluminum roll coated with polyvinylidene fluoride PVDF according to AAMA605.2 requirements.
- IV. PVDF coating finish adhere to the following standards.

Testing Item	Standard	Result
Finished coat thickness	ISO 2380 (CNS 8406)	27.6m
Gloss	ASTM D532-89	20 ~ 45 %
Pencil hardness	ASTM D3363-00	2H
Toughness	ASTM D4145-83	2T no rift
Adhesive force	ASTM 3359-97	4B
Impact resistance	ASTM D2794-93	>100 kg. cm.
Abrasion resistance	ASTM D968-93	64.6 L/mil
Mortar resistance	ASTM 605.2-90	24 Hrs. pat test exceed
Humidity resistance	ASTM D714-97	3000 hr no blister
	ASTM D2247-02	
Boiling- water resistance	ASTM D3359-B	Passed
Salt-spray resistance	ASTM D117-03	3000 hr no blister
Acid resistance	ASTM D1308-87	No effect
	AAMA 605.2-91, TEST #7, 7.31	
Alkali resistance	ASTM D1308-87	Passed
Solvent resistance	ASTM D2248-73	Passed
	ECCAT T5 & NCCA No. 11-18	
Color retention	ASTM D2244-93	ΔE = 0.34
Chalk resistance	ASTM D4214-98	No chalking
Gloss retention	ASTM D2244-93	84.2 %

- V. Total thickness must be 4.0mm minimum (standard)
- VI. Framing must also be made of aluminum to prevent corrosion of the panels.
- VII. Aluminum Composite panel supplier must be the same company that will install the framing and will fabricate and install all panels. This is to insure optimum workmanship. All labor and installation must have a warranty of not less than one year.

## **Methodology**

### **II.SUBMITTALS**

#### **A. PRODUCT DATA**

Manufacturer's printed product literature, specifications, and data sheets

#### **B. SHOP DRAWINGS**

1.Indicate project layout and elevations; dimensions and thickness of panels; connections; details and locations of joints and sealant; methods of anchorage; number of anchors; supports; reinforcement; flashings; accessories; materials; and finishes.

2. Indicate proposed joints details providing watertight and structurally sound panel system that allows no uncontrolled water penetration on inside face of panel system as determined by ASTM E331.

#### **C. SAMPLES**

1. Sample of panel system materials for selection and verification of finishes, colors, and sealant colors.

2. Sample of panel assembly.

#### **D. TEST REPORTS (as requested)**

Certified test reports for ACP from approved independent testing laboratories indicating compliance with specifications for specified performance, characteristics, and physical properties.

### **III. QUALITY ASSURANCE**

A. Fabricator / installer to be accepted by the manufacturer.

B. Fabricator / installer to have work similar in scope and size to this project.

C. Take field measurements prior to completion of shop fabrication. Coordinate fabrication schedule with construction progress to avoid delay of work. Field fabrication should be allowed to ensure proper fit and keep it to minimum with majority of fabrication being done under controlled shop conditions.

D. Maximum deviation from vertical and horizontal alignment of erected panels should be made.

E. Assume responsibility for components of exterior panel system including, but not limited to, attachment to sub-construction, panel-to-panel joinery, panel-to-dissimilar-material joinery, and joint seal associated with panel system.

#### **IV. DELIVERY, STORAGE, and HANDLING**

- A. Cover exposed surfaces with pressure-sensitive heavy protection paper or apply strippable plastic coating, before shipping to the job site.
- B. Leave protective covering in place until final cleaning of building.
- C. Deliver materials in (manufacturer's) original sealed packaging.
- D. Store panels and accessories in a dry, secure location and protect from weather.
- E. Protect finish and edges of panel.

#### **V. LOADING AND UNLOADING**

- A. Panels must be handled carefully to prevent damage
- B. Panels may buckle if they are not properly supported.
- C. A forklift may be used for panels up to 10 feet (3 meters) long. However, some means of supporting the panel load over a longer distance from the forks may be used.

#### **VI. PREPARATION**

Ensure surfaces to receive panels are structurally sound, even, smooth, clean, dry, and free from defects detrimental to work. Notify consultant thru writing of conditions unfavorable to proper and timely completion of work. Do not proceed with erection until unsatisfactory conditions have been corrected.

#### **VII. ACCESSORIES**

- A. Extrusions, formed members, sheet, and plate are in accordance with ASTM B209 and recommendations of Manufacturer's
- B. Panel stiffeners are structurally fastened or restrained at ends and secured to rear face of ACP with double-sided tape of sufficient size and strength to maintain panel flatness.
- C. Sealant within panel system to conform with Manufacturer's standards to meet performance requirements.
- D. Fasteners are not exposed except where unavoidable.



**ACP Color / Thickness/ Location**

Facade (Triangular Pattern)	-	4mm thick ACP (Blue)
	-	4mm thick ACP ( Light Blue)
Concrete Canopy	-	4mm thick ACP (Mouse Grey)
Exposed Columns (Triangular Pattern)	-	4mm thick ACP (Blue)
	-	4mm thick ACP ( Light Blue)

Details are shown in the plans.

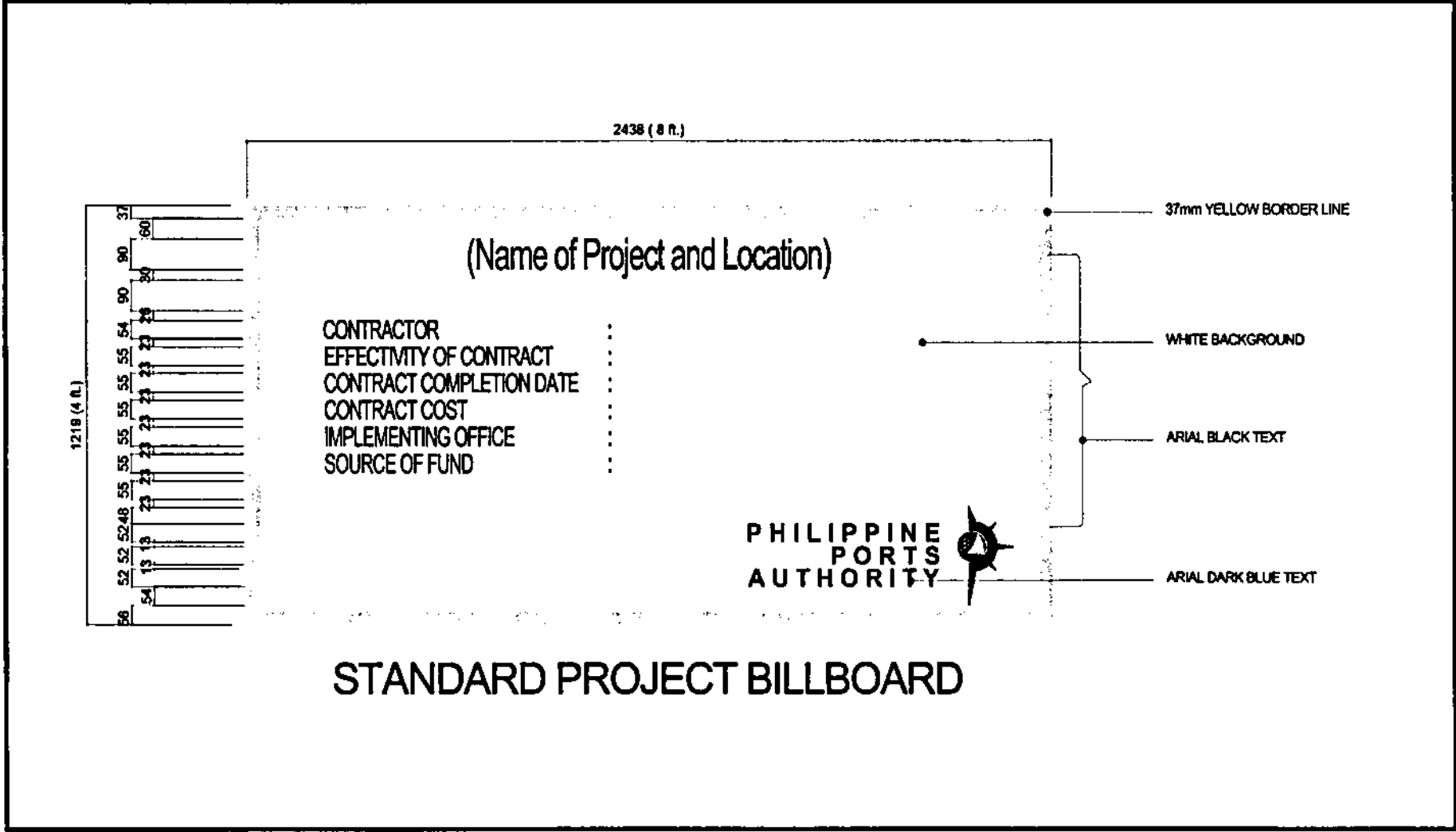
**ITEM 9 : PROJECT BILLBOARD****SPECIFICATION**

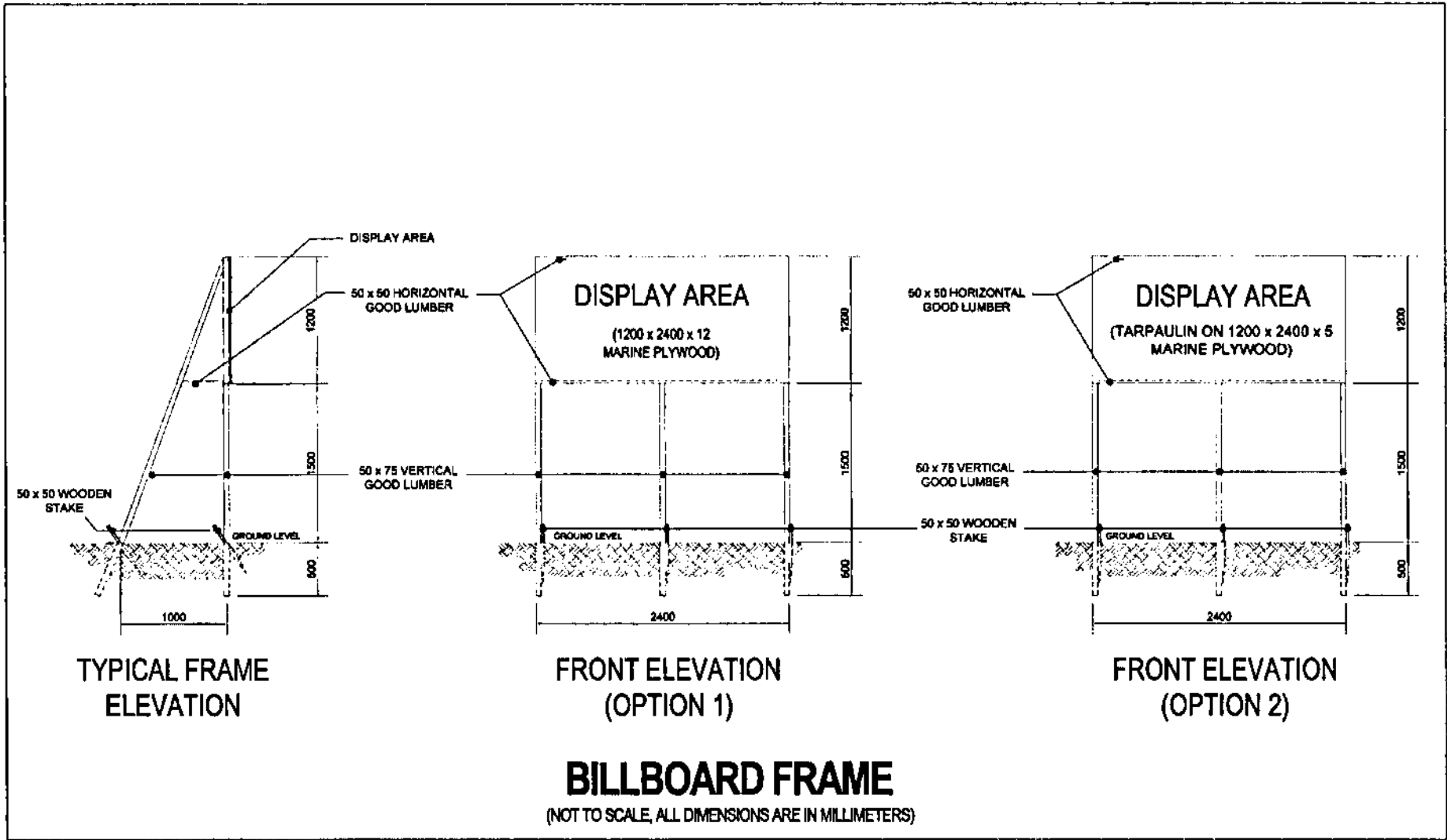
The Project Billboard shall be installed at location(s) designated by the Engineer.

The size and specifications of materials for the standard billboard shall be 4ft. x 8ft. (1,200mm x 2,400mm) using ½ inch (12mm) marine plywood or tarpaulin poster on 3/16 inch (5mm) marine plywood.

Project billboards shall not contain Name(s) and/or picture(s) of any personages.

See attached drawings for further details of the standard billboard.





ITEM 10 : SAFETY SIGNAGES AND BARRICADES

DESCRIPTION

This work includes the furnishing and installing of safety signages and barricades in accordance with the specifications and to the details shown below in the drawings, or as directed by the Engineer.

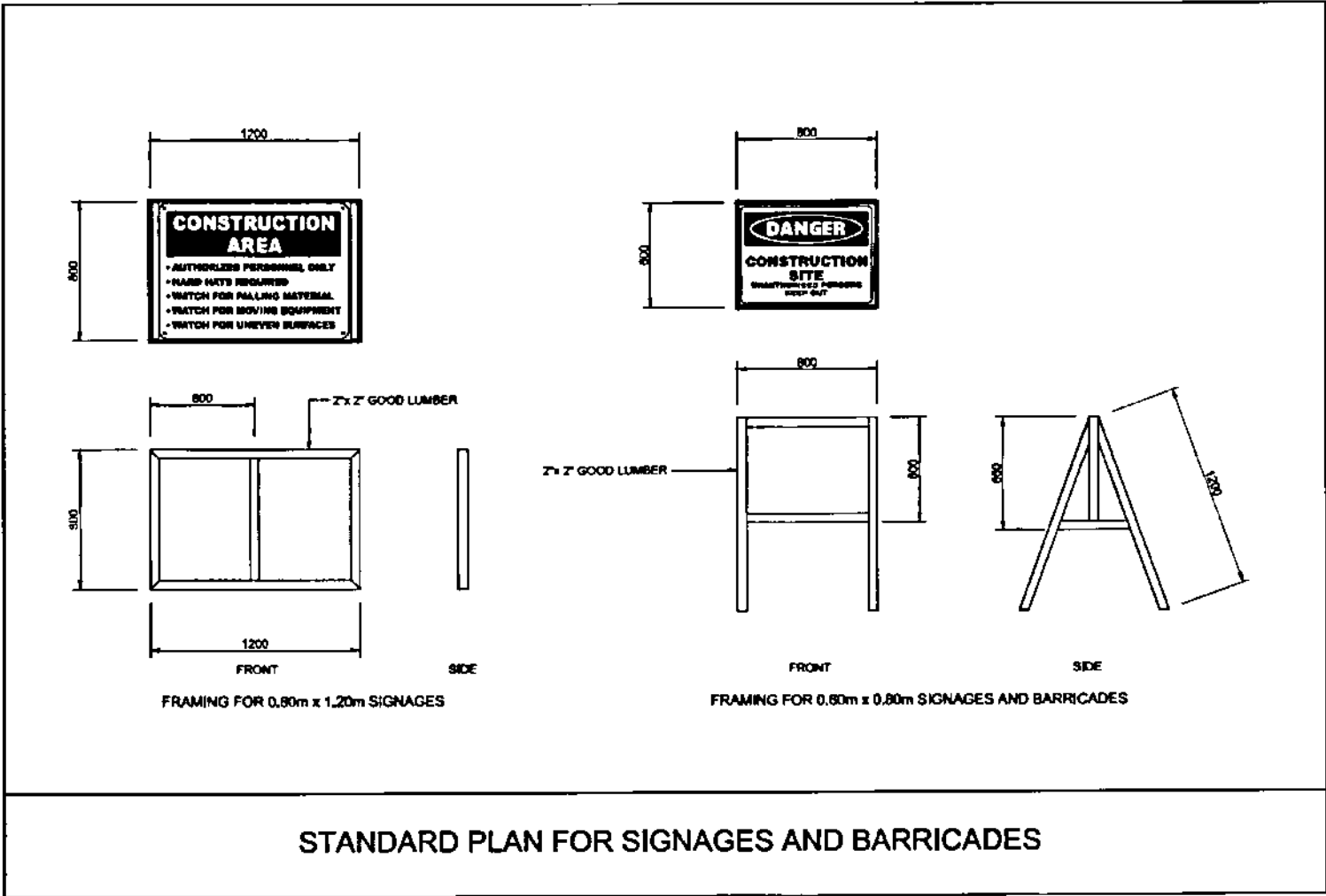
SPECIFICATION

The Signage's and Barricades shall be installed at location(s) designated by the Engineer.

The sizes of the standard signages shall be 2-2/3ft x 4ft (800mm X 1,200mm) for fixed type and 2ft x 2-2/3ft (600mm x 800mm) for mobile type. For barricade standard 2ft x 2-2/3ft (600mm x 800mm) shall be provided.

The materials to be used for signages and barricades are ½ inch (12mm) marine plywood or tarpaulin poster on 2" x 2" (50mm x 50mm) good lumber frame (see drawing below).

The printing or painting shall be the discretion of the Engineer.



***SECTION VII***

***DRAWINGS  
(APPROVED PLANS)***

# SECTION VII

## DRAWINGS AND APPROVED PLANS (SEE ISSUED APPROVED PLANS)

### LIST OF DRAWINGS:

#### PORT OF LUCENA, LUCENA CITY

- 1 of 24 - Development Plan, Vicinity Map
- 2 of 24 - Pavement Plan at Marshalling Area, Pavement Plan Along Port Access Road
- 3 of 24 - Details of Road Markings, Pavement Section, Typical Pavement Joint
- 4 of 24 - Typical Detail of Lateral Drainage, Serrated Surface Non-Slip
- 5 of 24 - Detail of Trench Grate (TG), Trench Grate Framing Layout
- 6 of 24 - Roof Plan (Between PTB-2 & PTB-3), Roof Framing Plan (Between PTB-2 & PTB-3)
- 7 of 24 - Section, Louver Detail, Louver Elevation, Spot Detail 'A', Spot Detail 'B'
- 8 of 24 - Port Operations Building: Front Elevation , Rear Elevation

#### PORT OF CAWIT, BOAC, MARINDUQUE

- 9 of 24 - Development Plan, Vicinity Map (Port of Cawit, Boac, Marinduque)
- 10 of 24 - PTB Second Floor Plan, Schedule of Window
- 11 of 24 - Ground Floor Reflected Ceiling Plan, Roof Plan
- 12 of 24 - Ground Floor Lighting Layout, Second Floor Lighting Layout
- 13 of 24 - Front Elevation, Rear Elevation, Right Elevation, Left Elevation (PTB)
- 14 of 24 - Front Elevation, Rear Elevation, Right Elevation, Left Elevation (TMO)
- 15 of 24 - Welcome Arch and gate Entrance Elevation, Welcome Arch and Gate Exit Layout

## **PORT OF STA. CRUZ, MARINDUQUE**

- 16 of 24 - Development Plan, Vicinity Map (Port of Sta. Cruz, Marinduque)
- 17 of 24 - PTB Floor Plan, Schedule of Door
- 18 of 24 - Front Elevation, Rear Elevation, Right Elevation, Left Elevation (TMO)
- 19 of 24 - Ground Floor Reflected Ceiling Plan, Second Floor Reflected Ceiling Plan
- 20 of 24 - Welcome Arch and Gate Entrance Elevation
- 21 of 24 - Welcome Arch and Gate Exit Elevation
- 22 of 24 - Detail of LED Illuminated Acrylic Signages
- 23 of 24 - Ticketing Booth and Vendor's Stalls
- 24 of 24 - Detail of Covered Walkway



**PHILIPPINE  
PORTS  
AUTHORITY**



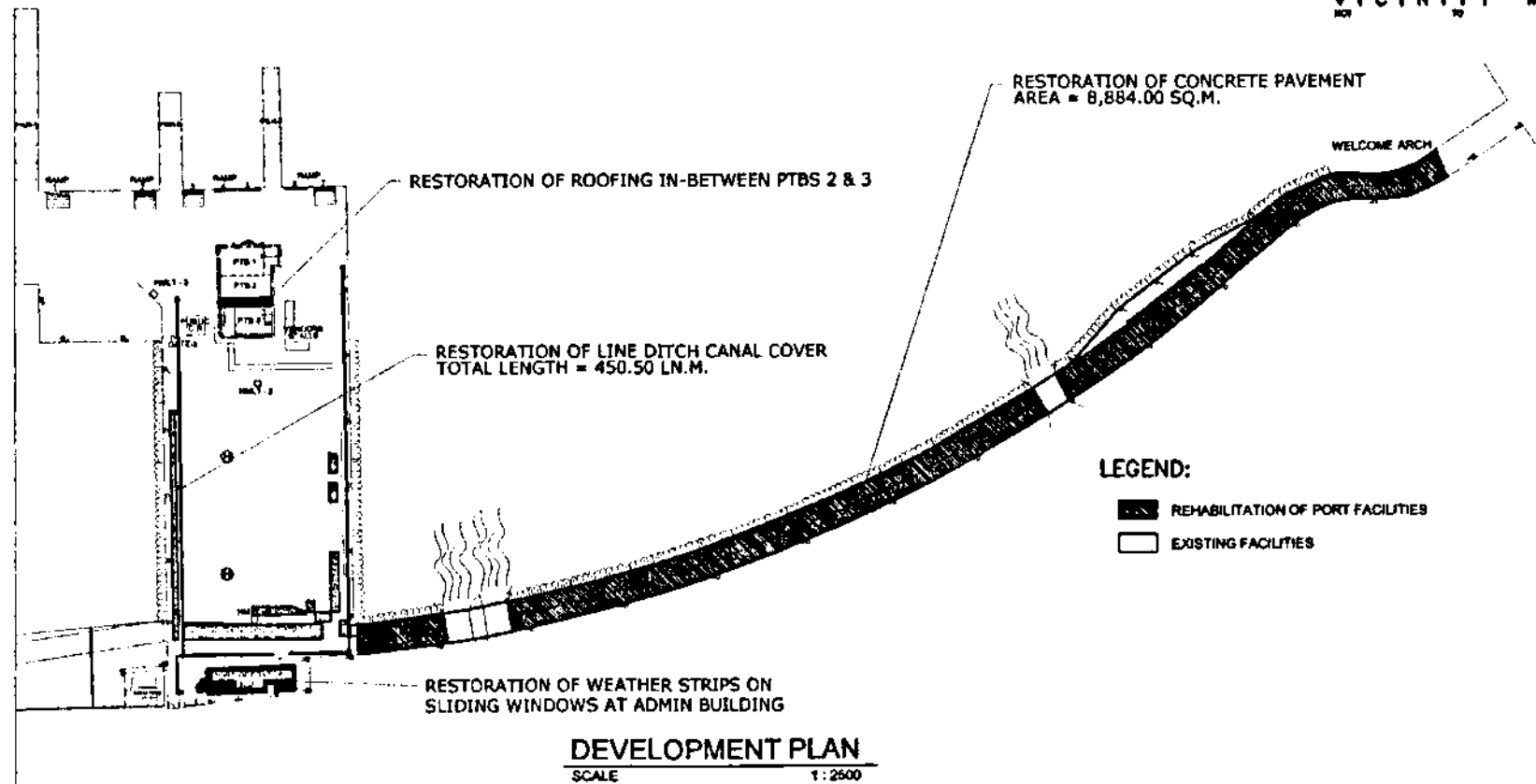
**PORT MANAGEMENT OFFICE - MARINDUQUE/QUEZON**





# **CONSTRUCTION DRAWINGS**

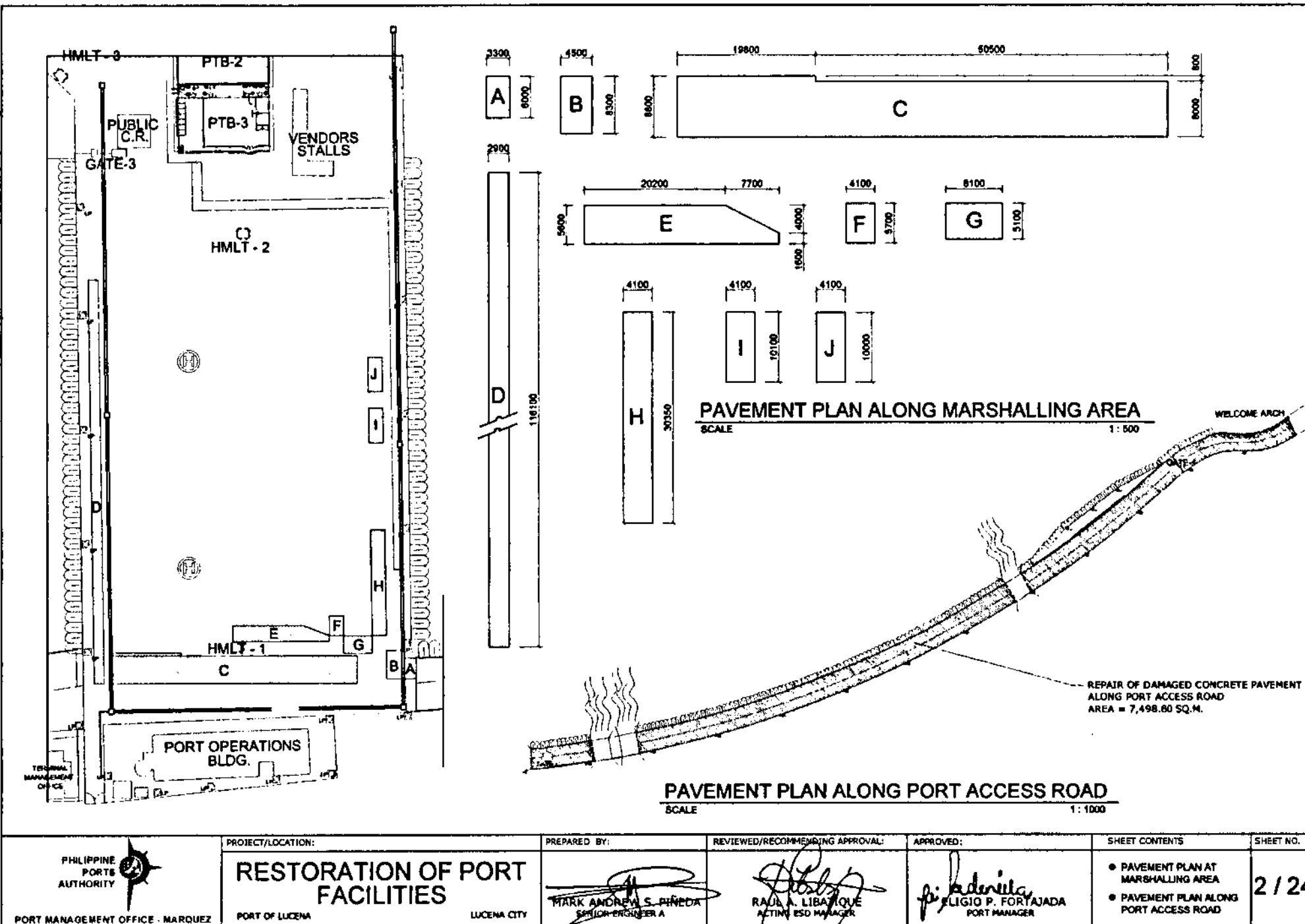
## **RESTORATION OF PORT FACILITIES**

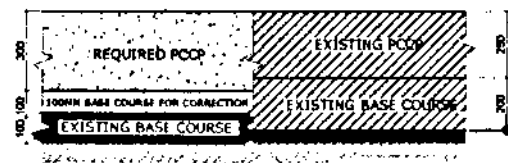
**PORT OF LUCENA  
PORTS OF CAWIT AND STA. CRUZ**

**LUCENA CITY  
MARINDUQUE**

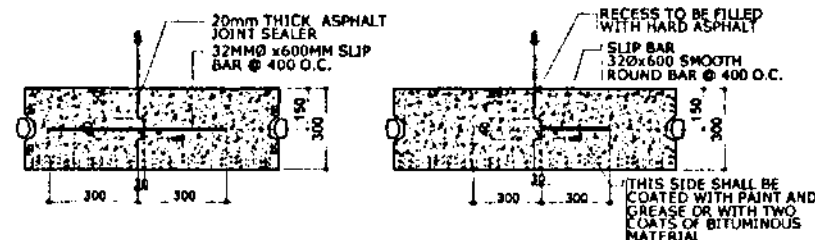


 PHILIPPINE PORTS AUTHORITY PORT MANAGEMENT OFFICE - MARQUEZ	PROJECT/LOCATION: <b>RESTORATION OF PORT FACILITIES</b> PORT OF LUCENA LUCENA CITY	PREPARED BY:  MARK ANDREW S. PINEDA SENIOR ENGINEER A	REVIEWED/RECOMMENDING APPROVAL:  RAUL A. LIBATIQUE ACTING ESD MANAGER	APPROVED:  FELIGIO P. FORTAJADA PORT MANAGER	SHEET CONTENTS ● DEVELOPMENT PLAN ● VICINITY MAP	SHEET NO. <b>1 / 24</b>
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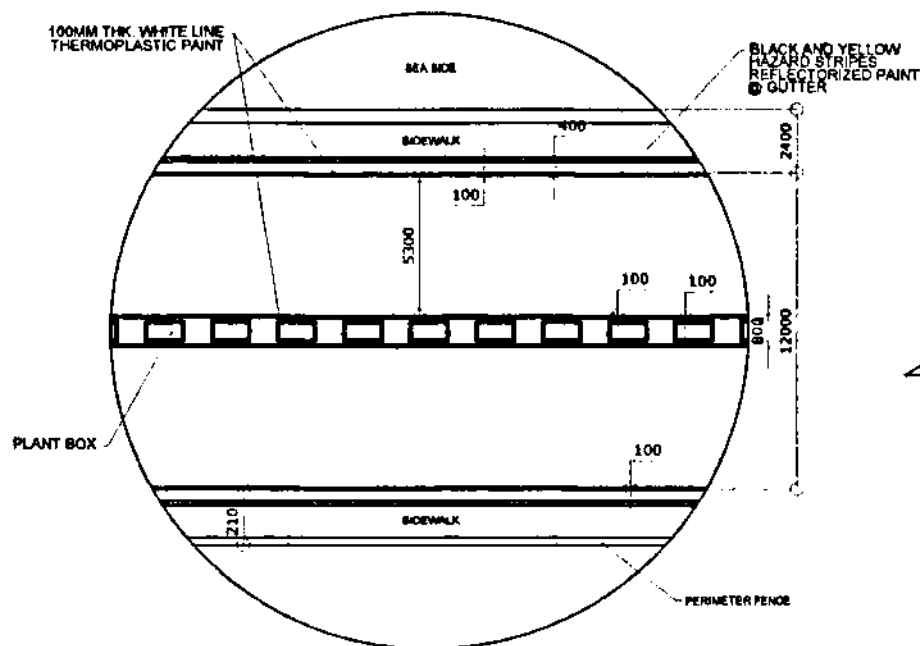




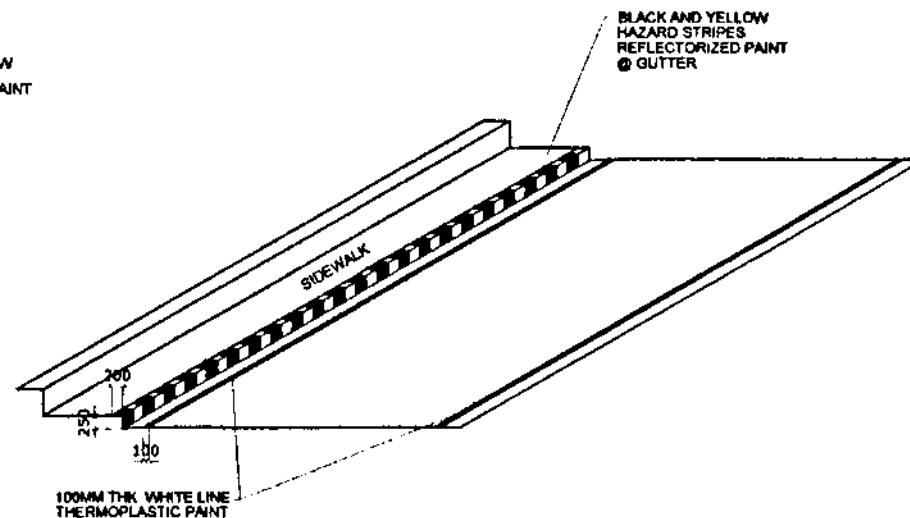
**PAVEMENT SECTION**  
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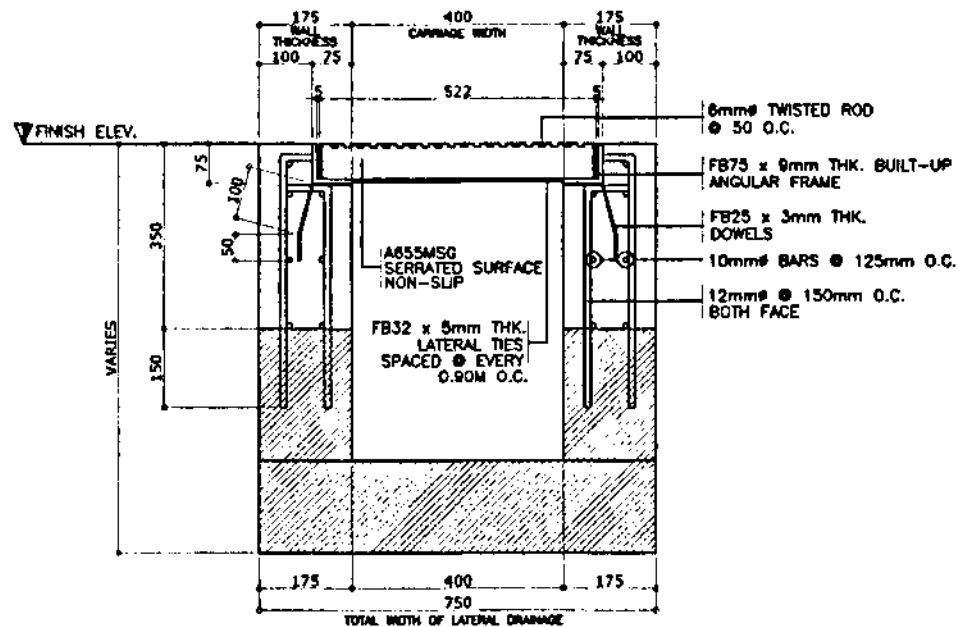
**LONGITUDINAL JOINT** **TRANSVERSE JOINT**  
**TYPICAL PAVEMENT JOINT**  
SCALE 1:15



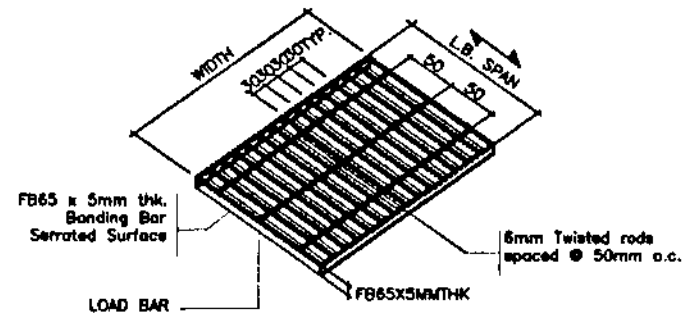
**SPOT DETAIL**  
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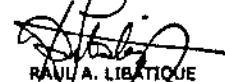

**ISOMETRIC VIEW**  
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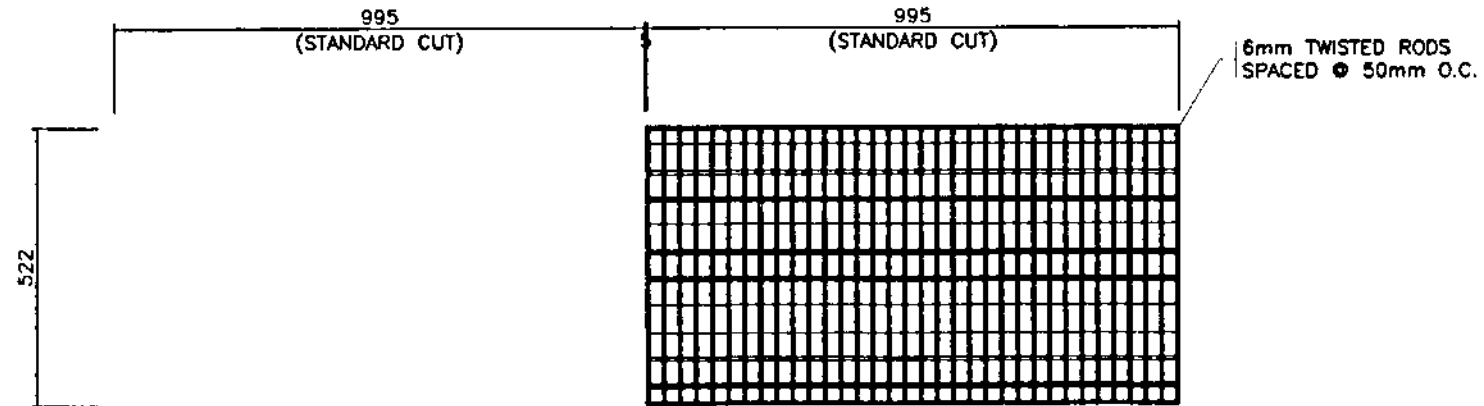


**TYPICAL DETAIL OF LATERAL DRAINAGE**  
SCALE 1:10

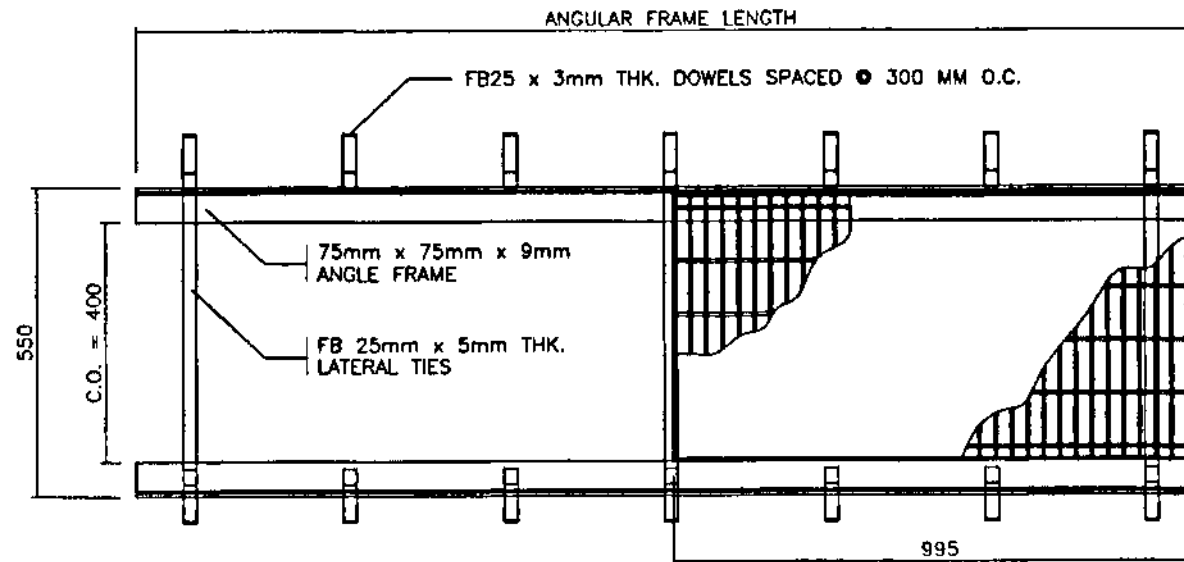


**SERRATED SURFACE NON-SLIP**  
SCALE NTS


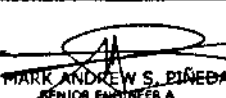
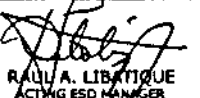

 <b>PHILIPPINE PORTS AUTHORITY</b> PORT MANAGEMENT OFFICE - MARQUEZ	PROJECT/LOCATION: <b>RESTORATION OF PORT FACILITIES</b> PORT OF LUCENA LUCENA CITY	PREPARED BY:  MARK ANDREW S. PINEDA SENIOR ENGINEER A	REVIEWED/RECOMMENDING APPROVAL:  RAUL A. LIBATIQUE ACTING ESD MANAGER	APPROVED:  ELIGIO P. FORTAJADA PORT MANAGER	SHEET CONTENTS • TYPICAL DETAIL OF LATERAL DRAINAGE • SERRATED SURFACE NON-SLIP	SHEET NO. <b>4 / 24</b>
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**DETAIL OF TRENCH GRATE (TG)**  
SCALE 1:10

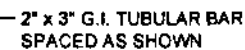


**TRENCH GRATE FRAMING LAYOUT**  
SCALE 1:10

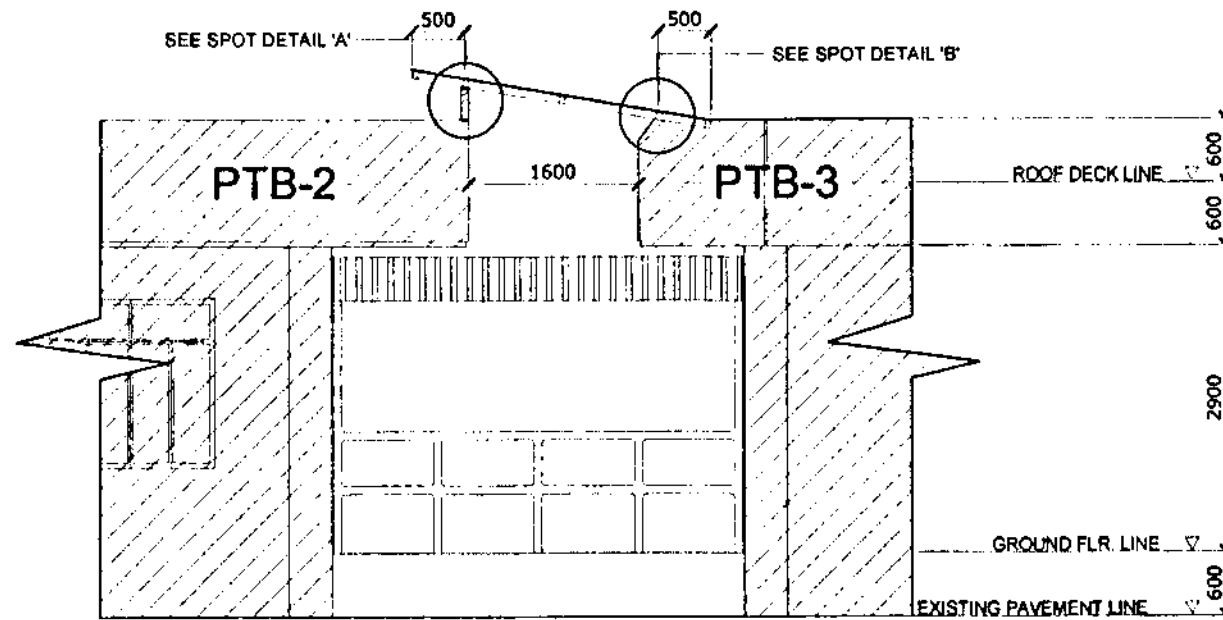
 <b>PHILIPPINE PORTS AUTHORITY</b> PORT MANAGEMENT OFFICE - MARQUEZ	PROJECT/LOCATION: <b>RESTORATION OF PORT FACILITIES</b> PORT OF LUCENA LUCENA CITY	PREPARED BY:  <b>MARK ANDREW S. DINEBA</b> SENIOR ENGINEER A	REVIEWED/RECOMMENDING APPROVAL:  <b>RAUL A. LIBATIQUE</b> ACTING ESD MANAGER	APPROVED:  <b>ELIGIO P. FORTAJADA</b> PORT MANAGER	SHEET CONTENTS •DETAIL OF TRENCH GRATE (TG) •TRENCH GRATE FRAMING LAYOUT	SHEET NO. <b>5 / 24</b>
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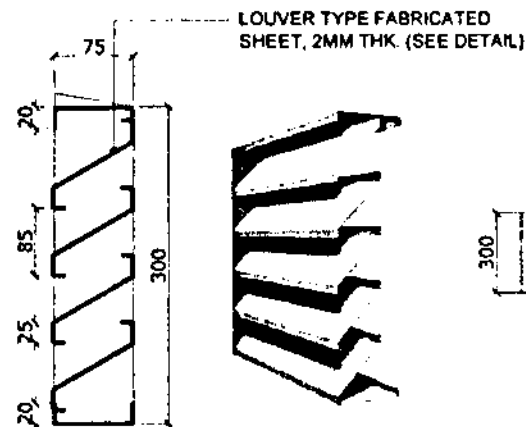
6MM THK. SOLID SHEET  
POLYCARBONATE ROOFING



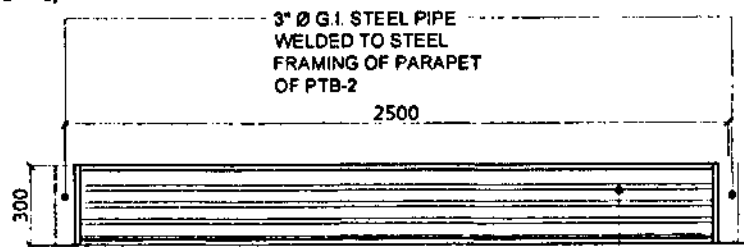
3" Ø G.I. STEEL PIPE  
SPACED AS SHOWN



**SECTION**  
SCALE 1:50

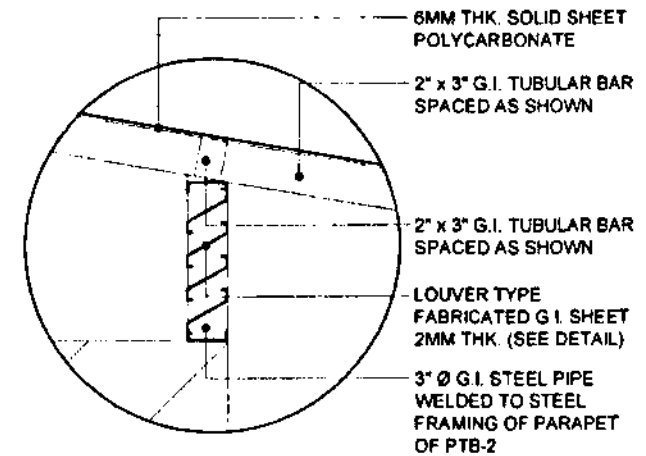


**LOUVER DETAIL**  
SCALE 1:5

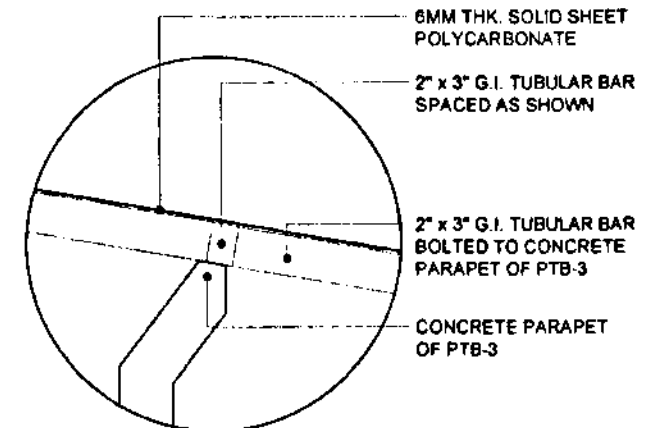


**LOUVER ELEVATION**  
SCALE 1:20

LOUVER TYPE FABRICATED SHEET, 2MM THK. (SEE DETAIL)

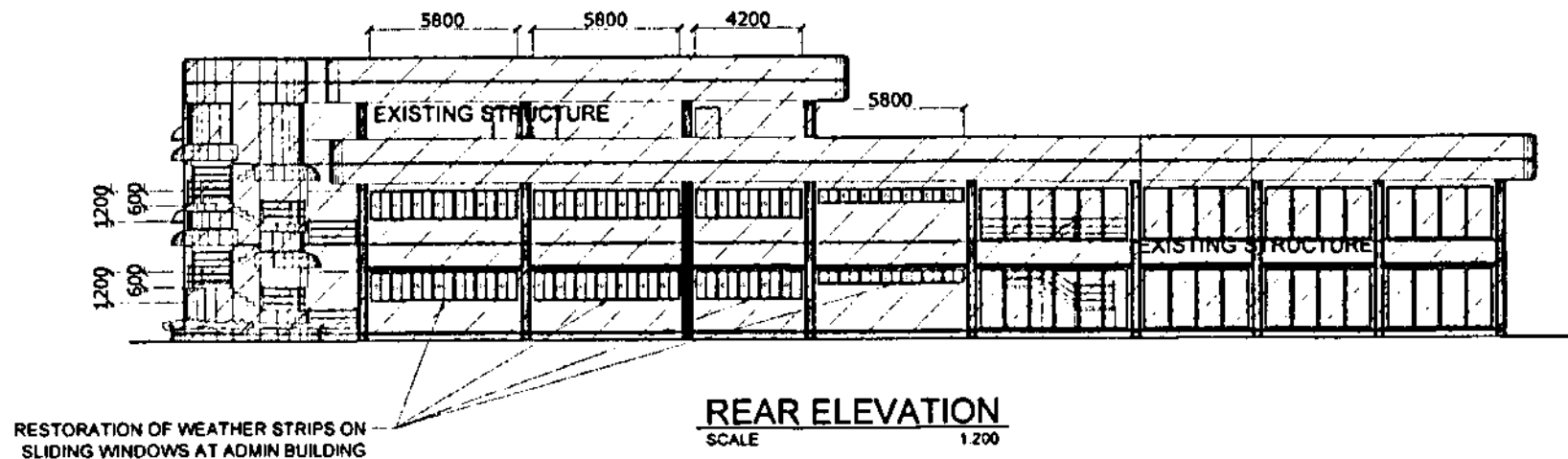
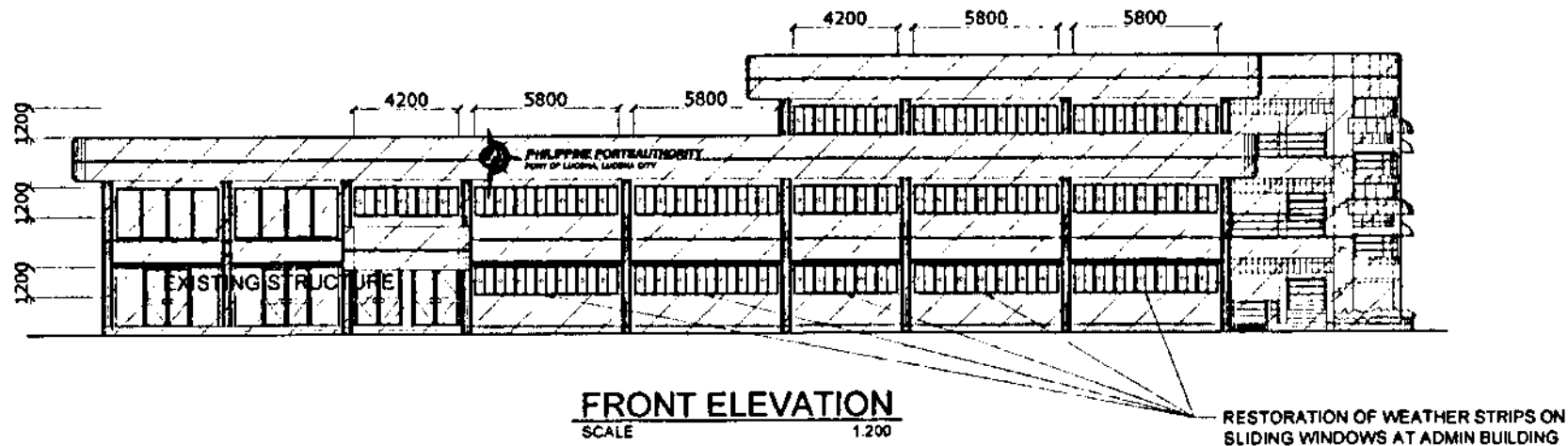


**SPOT DETAIL 'A'**  
SCALE 1:10



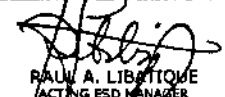



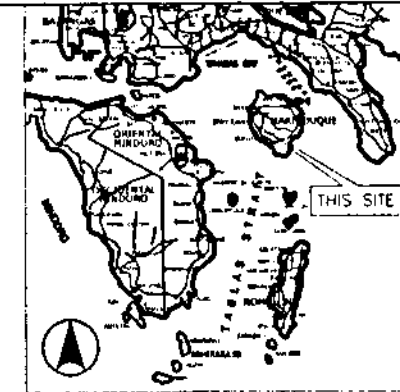
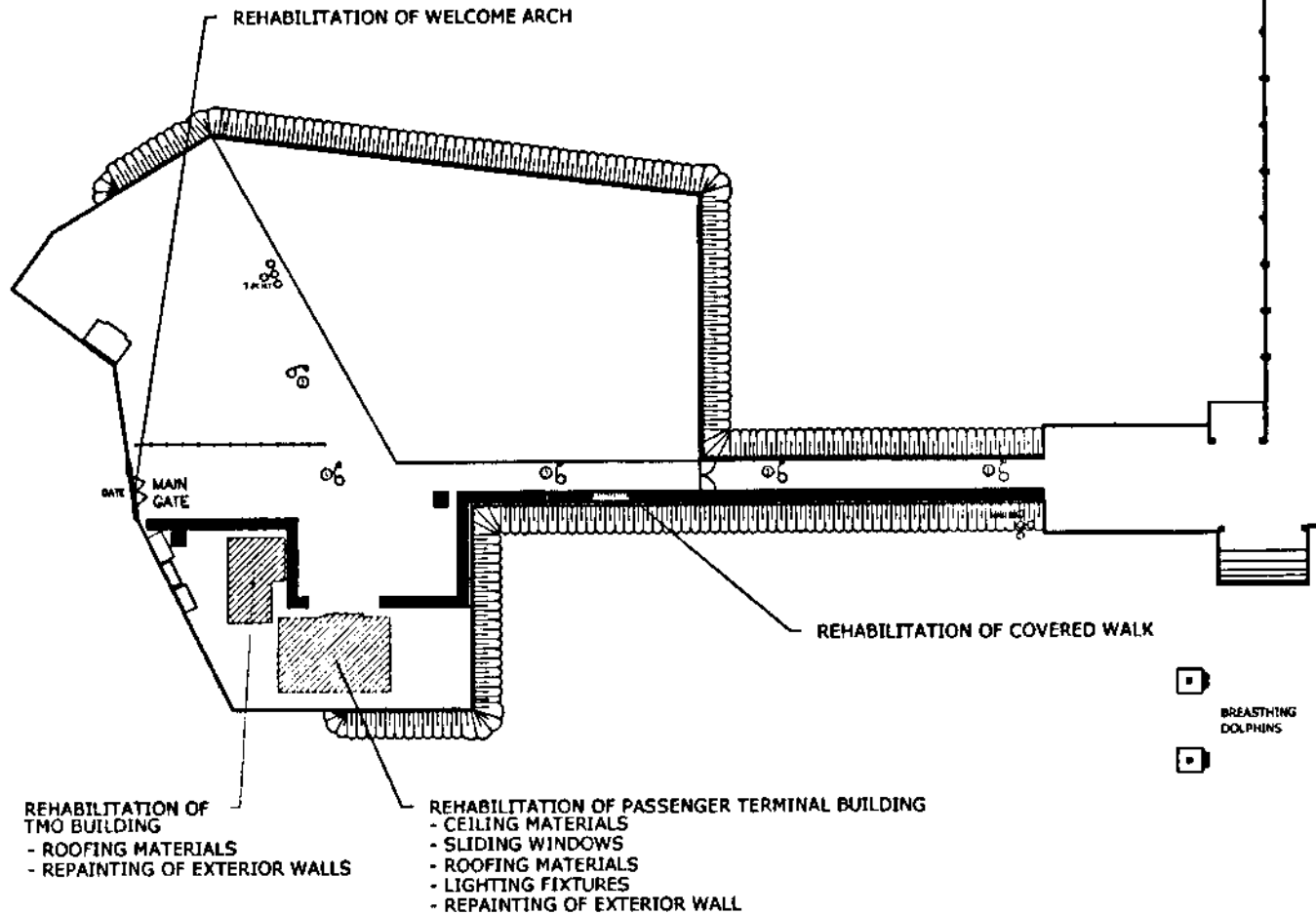
**SPOT DETAIL 'B'**  
SCALE 1:10





### PORT OPERATIONS BUILDING



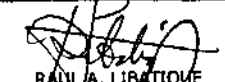

 PHILIPPINE PORTS AUTHORITY  PORT MANAGEMENT OFFICE - MARQUEZ	PROJECT/LOCATION: <b>RESTORATION OF PORT FACILITIES</b> PORT OF LUCENA LUCENA CITY	PREPARED BY:  MARK ANDREW S. PINEDA SENIOR ENGINEER A	REVIEWED/RECOMMENDING APPROVAL:  RAUL A. LIBATIQUE ACTING ESD MANAGER	APPROVED:  ELIGIO P. FORTAJADA PORT MANAGER	SHEET CONTENTS • PORT OPERATIONS BUILDING - FRONT ELEVATION - REAR ELEVATION	SHEET NO. <b>8 / 24</b>
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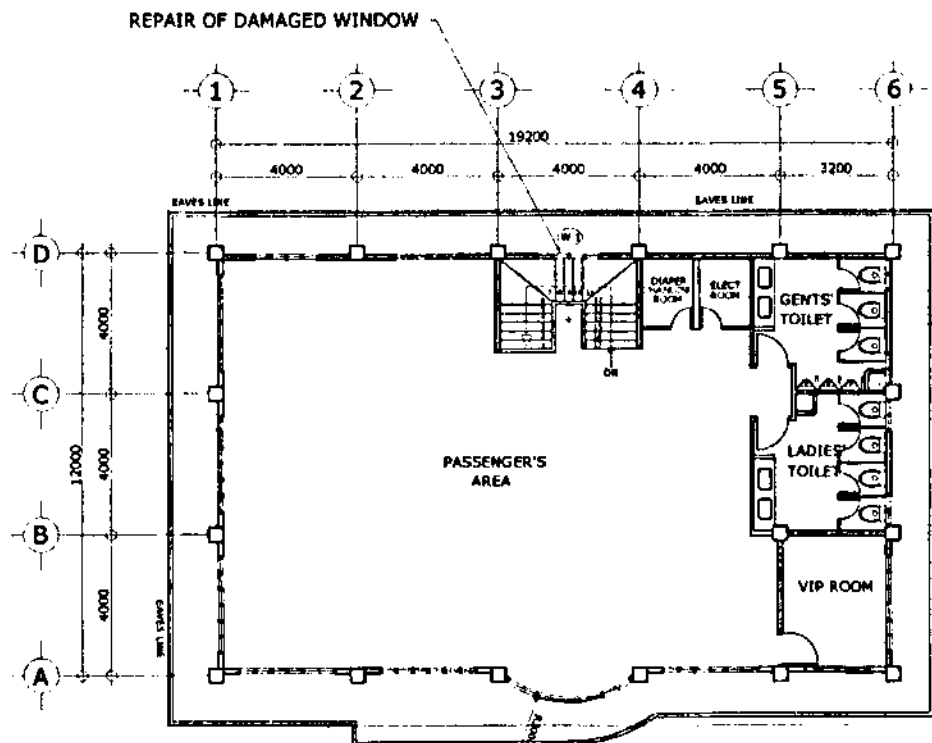


VICINITY MAP  
NOT TO SCALE

## DEVELOPMENT PLAN

SCALE 1:1000

 PHILIPPINE PORTS AUTHORITY PORT MANAGEMENT OFFICE - MARQUEZ	PROJECT/LOCATION: <b>RESTORATION OF PORT FACILITIES</b> PORT OF CAWIT MARINOUQUE	PREPARED BY:  MARK ANDREW S. PINEDA SENIOR ENGINEER A	REVIEWED/RECOMMENDING APPROVAL:  RAUL A. LIBATIQUE ACTING ESD MANAGER	APPROVED:  ELIGIO P. FORTAJADA PORT MANAGER	SHEET CONTENTS • DEVELOPMENT PLAN • VICINITY MAP	9 / 24
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## PTB SECOND FLOOR PLAN

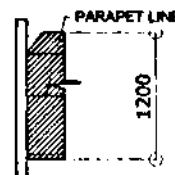
SCALE 1:150

HOT DIP CUT OUT 4.5MM THK. METAL SHEET SCREWED @ THE BACK (SEE SUPPLIER'S DETAIL AND SPECIFICATION)



## SIGNAGE DETAIL

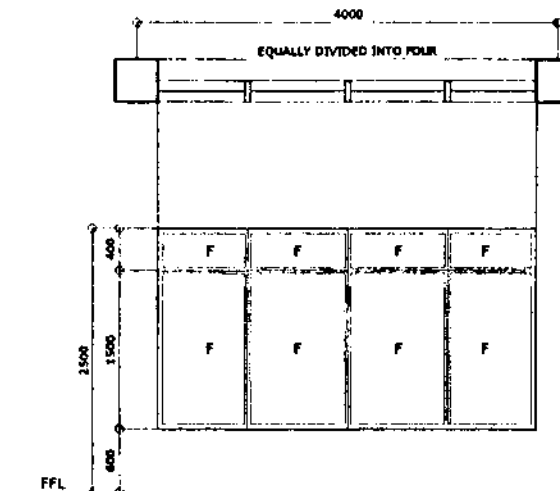
12.5MM THK. COLORED ACRYLIC PLASTIC SHEET SCREWED AT THE BACK (SEE SUPPLIER'S DETAIL AND SPECIFICATION)



## SECTION

## DETAILS OF ACRYLIC SIGNAGE

SCALE 1:50



W-1 FIXED GLASS ON ALUMINUM FRAME POWDER COATED SETS REQUIRED - ONE (1)

## NOTE:

1. ALL WINDOW GLASS  
USE 1/4 THK. CLEAR GLASS
2. ALUMINUM FRAME FOR WINDOWS  
USE 50mm x 100mm x 1.5mm THK POWDER COATED

## SCHEDULE OF WINDOW

SCALE 1:50



PROJECT/LOCATION:  
**RESTORATION OF PORT FACILITIES**  
PORT OF CAWIT MARTINDIQUE

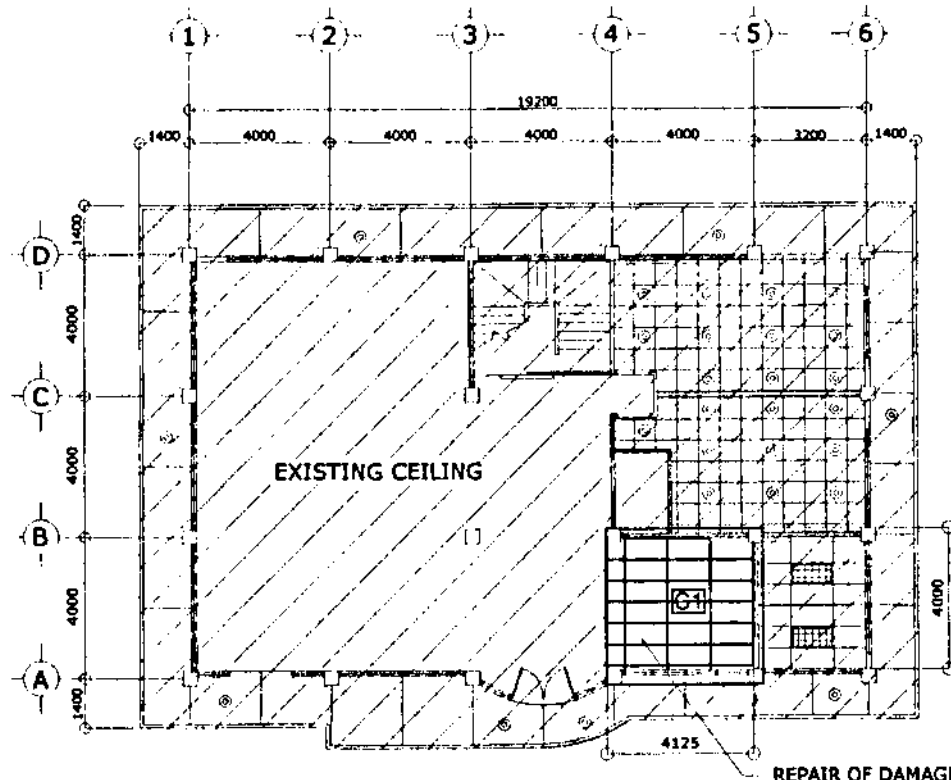
PREPARED BY:  
*Mark Andrew S. Pineda*  
MARK ANDREW S. PINEDA  
SENIOR ENGINEER A

REVIEWED/RECOMMENDING APPROVAL:  
*Raul A. Libatique*  
RAUL A. LIBATIQUE  
ACTING ESD MANAGER

APPROVED:  
*Eligio P. Fortajada*  
ELIGIO P. FORTAJADA  
PORT MANAGER

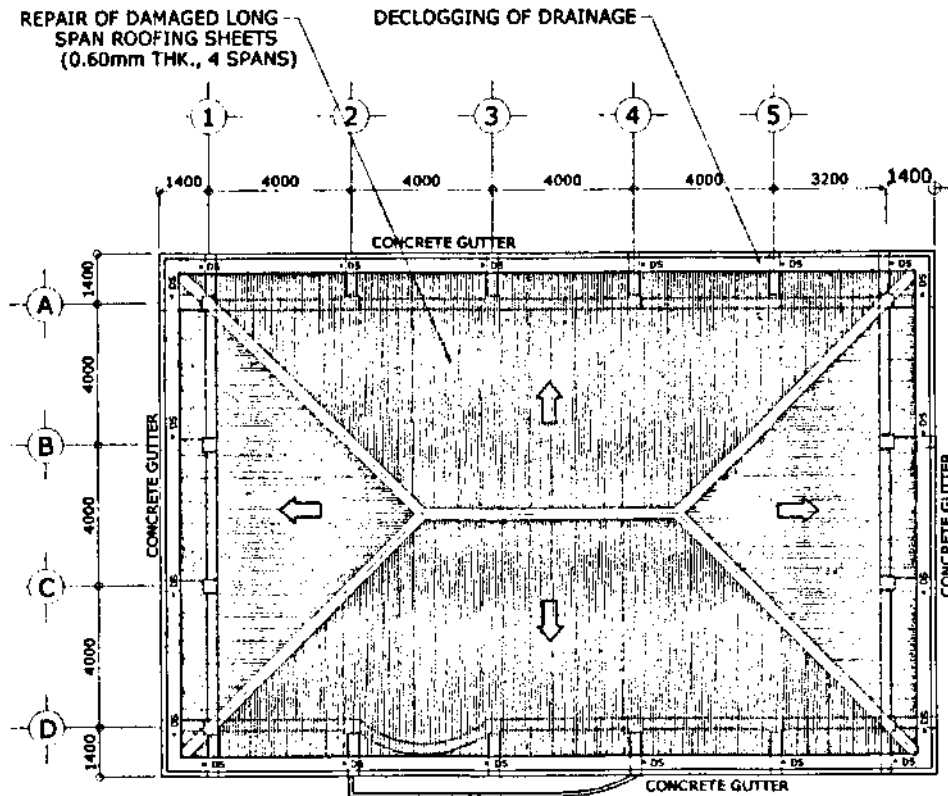
SHEET CONTENTS  
• PTB SECOND FLOOR PLAN  
• SCHEDULE OF WINDOW

10/24



**GROUND FLOOR  
REFLECTED CEILING PLAN**

SCALE 1:150



**ROOF PLAN**

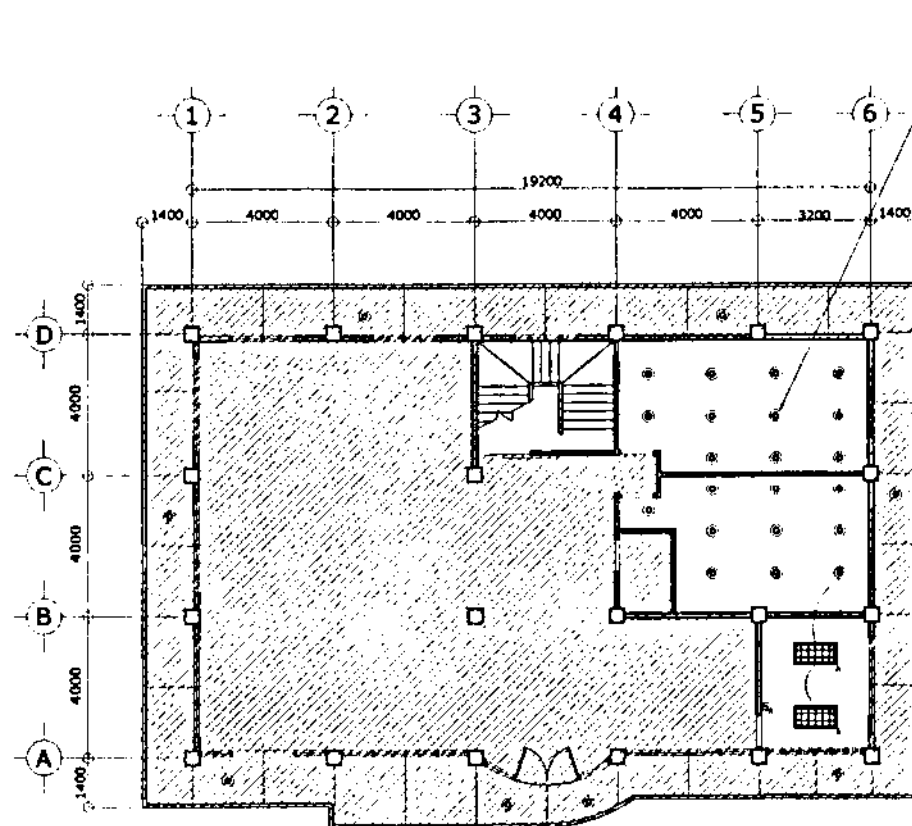
SCALE 1:150

**LEGEND:**

[C1] PERFORATED PANELS, 2' x 4' x 0.70 mm.,  
BONE WHITE, OR EQUIVALENT

**NOTE:**

ALL ELECTRICAL WIRINGS INCLUDING  
ACCESSORIES SHALL REMAIN

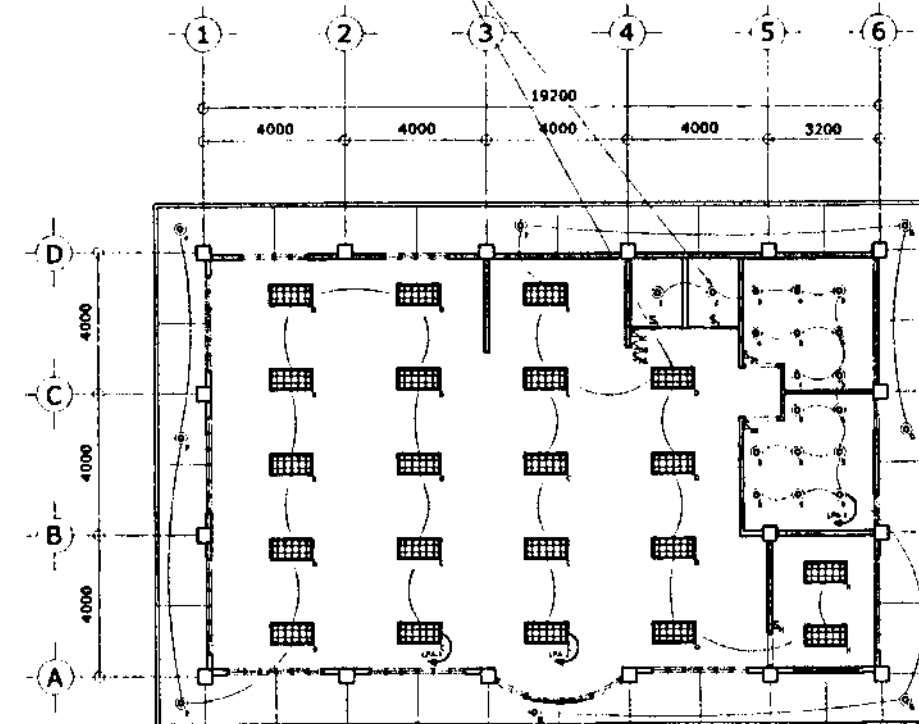


**GROUND FLOOR LIGHTING LAYOUT**

SCALE

1:150

REPLACEMENT OF DAMAGED LIGHT BULBS  
AND FIXTURES



**SECOND FLOOR LIGHTING LAYOUT**

SCALE

1:150



PORT MANAGEMENT OFFICE - MARQUEZ

PROJECT/LOCATION:

**RESTORATION OF PORT  
FACILITIES**

PORT OF CAWIT

MARINDUQUE

PREPARED BY:

MARK ANDREW S. PINEDA  
SENIOR ENGINEER A

REVIEWED/RECOMMENDING APPROVAL:

RAUL A. LIATIQUE  
ACTING ESD/MANAGER

APPROVED:

ELIGIO P. FORTAJADA  
PORT MANAGER

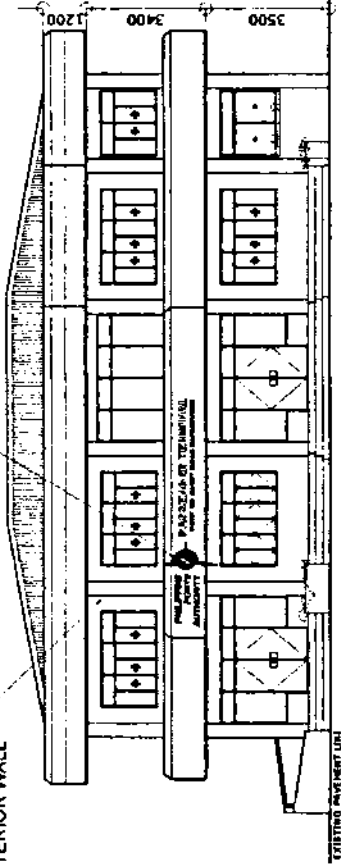
SHEET CONTENTS

- GROUND FLOOR LIGHTING LAYOUT
- SECOND FLOOR LIGHTING LAYOUT

12/24

REPLACEMENT OF OLD PPA LOGO  
(SEE DETAIL)

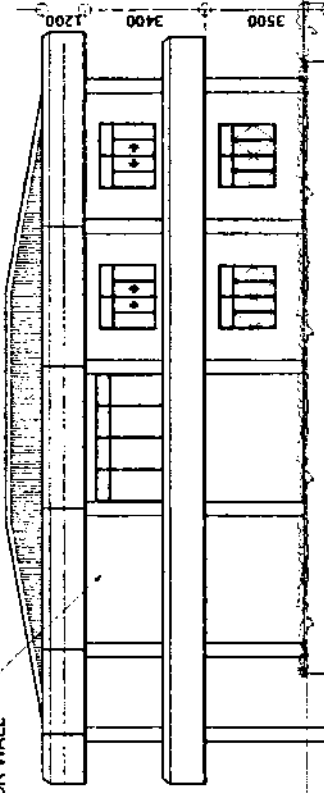
REPAINTING OF  
EXTERIOR WALL



## FRONT ELEVATION

SCALE 1:150 M

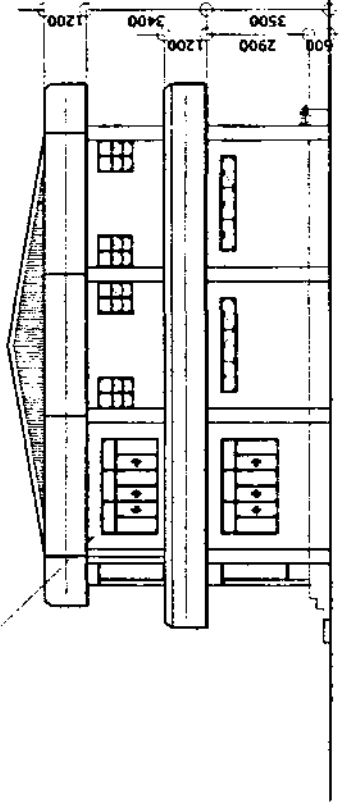
REPAINTING OF  
EXTERIOR WALL



## REAR ELEVATION

SCALE 1:150 M

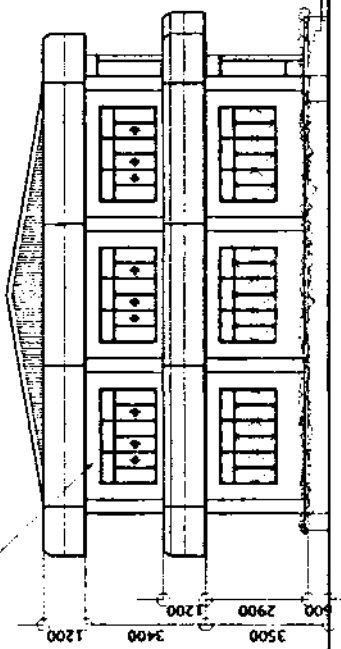
REPAINTING OF  
EXTERIOR WALL



## LEFT ELEVATION

SCALE 1:150 M

REPAINTING OF  
EXTERIOR WALL



## RIGHT ELEVATION

SCALE 1:150 M



PORT MANAGEMENT OFFICE - MARQUEZ

PROJECT LOCATION:

RESTORATION OF PORT  
FACILITIES

PORT OF CAVIT

PREPARED BY:

MARK ANTONIO S. PINEDA  
SENIOR ENGINEER A

REVIEWED/RECOMMENDING APPROVAL:

PAUL A. LIBATIQUE  
ACTING ESD MANAGER

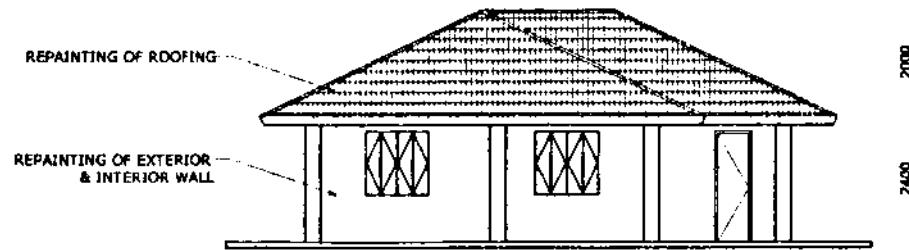
APPROVED:

PAUL A. LIBATIQUE  
PORT MANAGER

SHEET CONTENTS

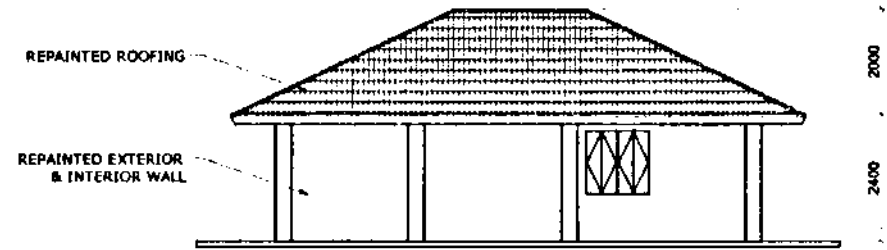
- FRONT ELEVATION
- REAR ELEVATION
- RIGHT ELEVATION
- LEFT ELEVATION

13/24



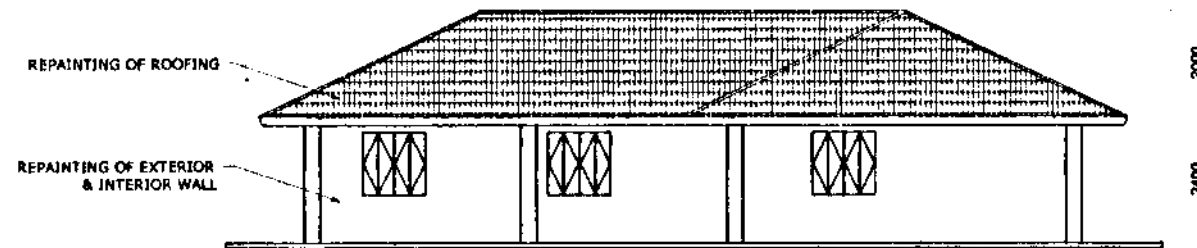
## FRONT ELEVATION

SCALE 1:100 M



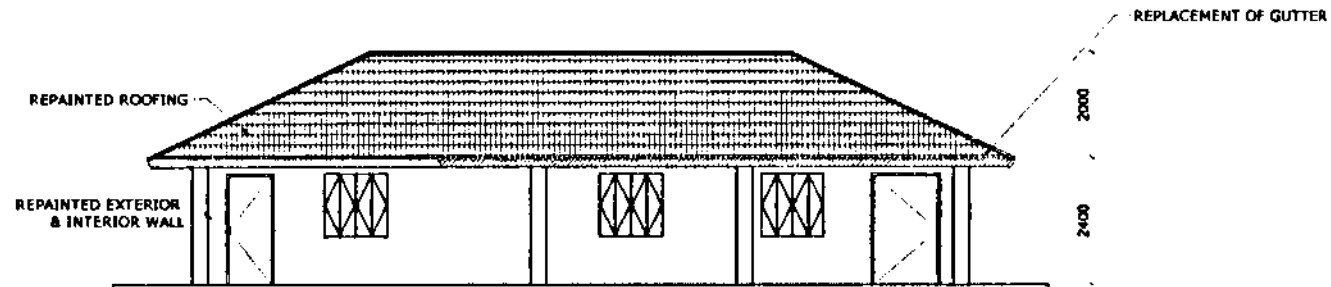
## REAR ELEVATION

SCALE 1:100 M




## RIGHT ELEVATION

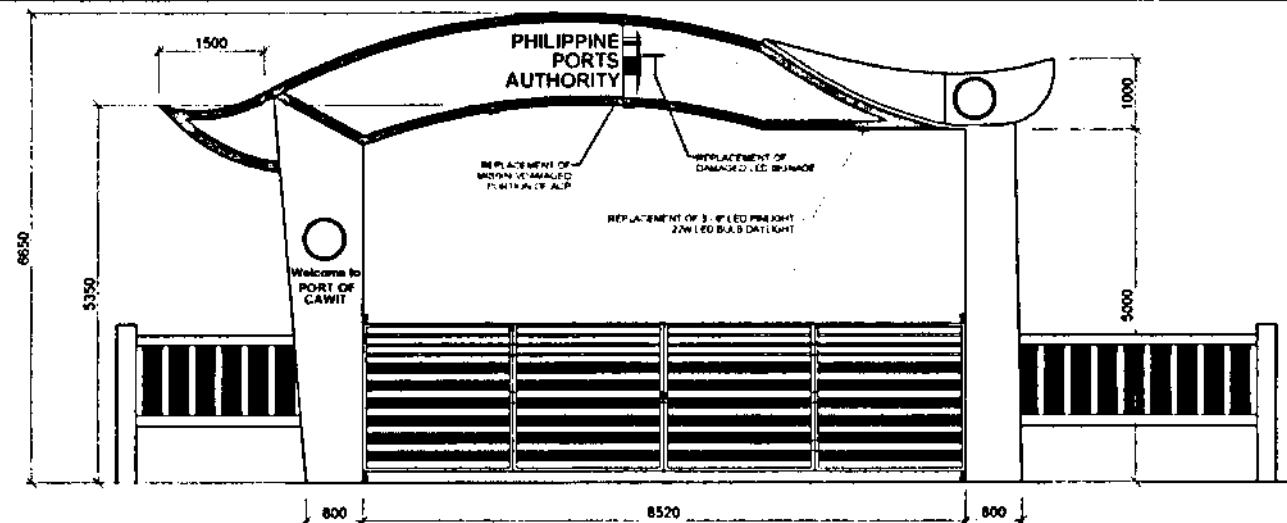
SCALE 1:100 M



## LEFT ELEVATION

SCALE 1:100 M

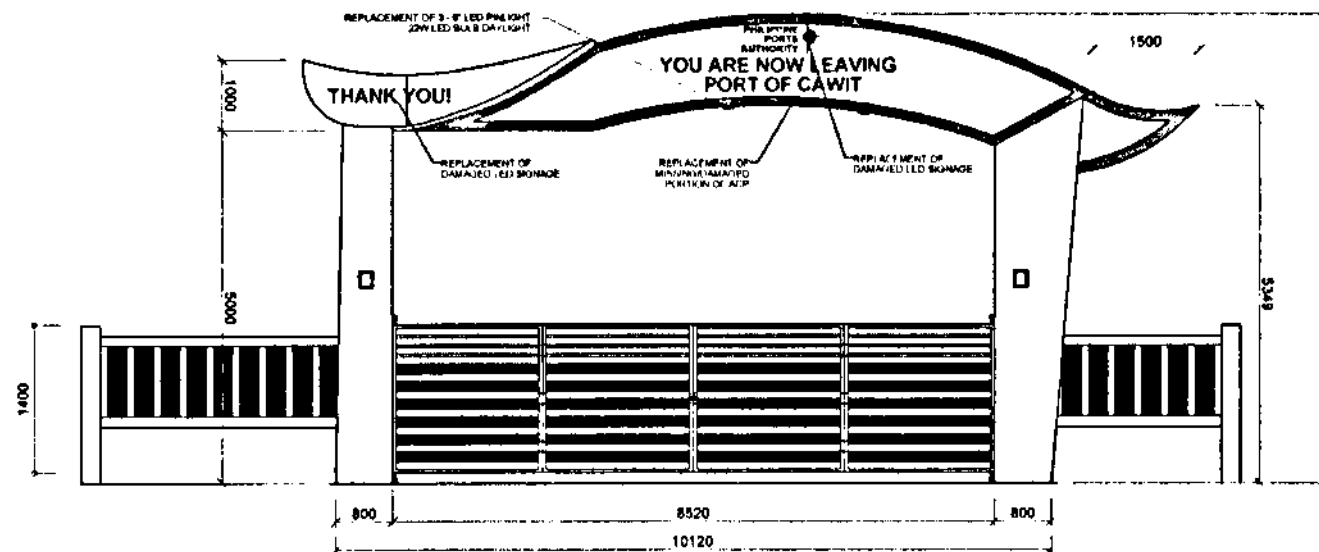
 <b>PHILIPPINE PORTS AUTHORITY</b> PORT MANAGEMENT OFFICE - MARQUEZ	PROJECT/LOCATION: <b>RESTORATION OF PORT FACILITIES</b> PORT OF CAWIT MARINDUQUE	PREPARED BY:  <b>MARK ANDREW S. PINEDA</b> SENIOR ENGINEER A	REVIEWED/RECOMMENDING APPROVAL:  <b>RAUL A. LIBATIQUE</b> ACTING ESD MANAGER	APPROVED:  <b>ELIGIO P. FORTAJADA</b> PORT MANAGER	SHEET CONTENTS • FRONT ELEVATION • REAR ELEVATION • RIGHT ELEVATION • LEFT ELEVATION	<b>14/24</b>
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**WELCOME ARCH AND GATE ENTRANCE ELEVATION**

SCALE



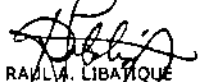

1.75



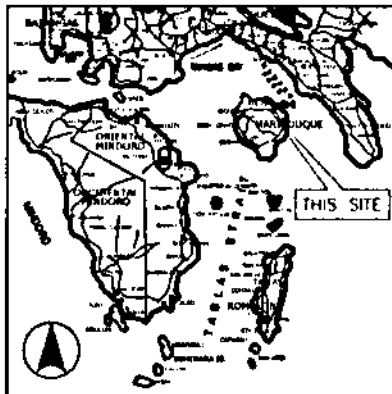
**WELCOME ARCH AND GATE EXIT ELEVATION**

SCALE

1.75

 <p>PHILIPPINE PORTS AUTHORITY</p> <p>PORT MANAGEMENT OFFICE - MARQUEZ</p>	<p>PROJECT/LOCATION:</p> <p><b>RESTORATION OF PORT FACILITIES</b></p> <p>PORT OF CAWIT</p> <p>MARINDUQUE</p>	<p>PREPARED BY:</p> <p></p> <p>MARK ANDREW S. PINEDA SENIOR ENGINEER A</p>	<p>REVIEWED/RECOMMENDING APPROVAL:</p> <p></p> <p>RAUL A. LIBATIQUE ACTING ESD MANAGER</p>	<p>APPROVED:</p> <p></p> <p>LIGIO P. FORTAJADA PORT MANAGER</p>	<p>SHEET CONTENTS</p> <ul style="list-style-type: none"> <li>WELCOME ARCH AND GATE ENTRANCE ELEVATION</li> <li>WELCOME ARCH AND GATE EXIT LAYOUT</li> </ul>	<p>15/24</p>
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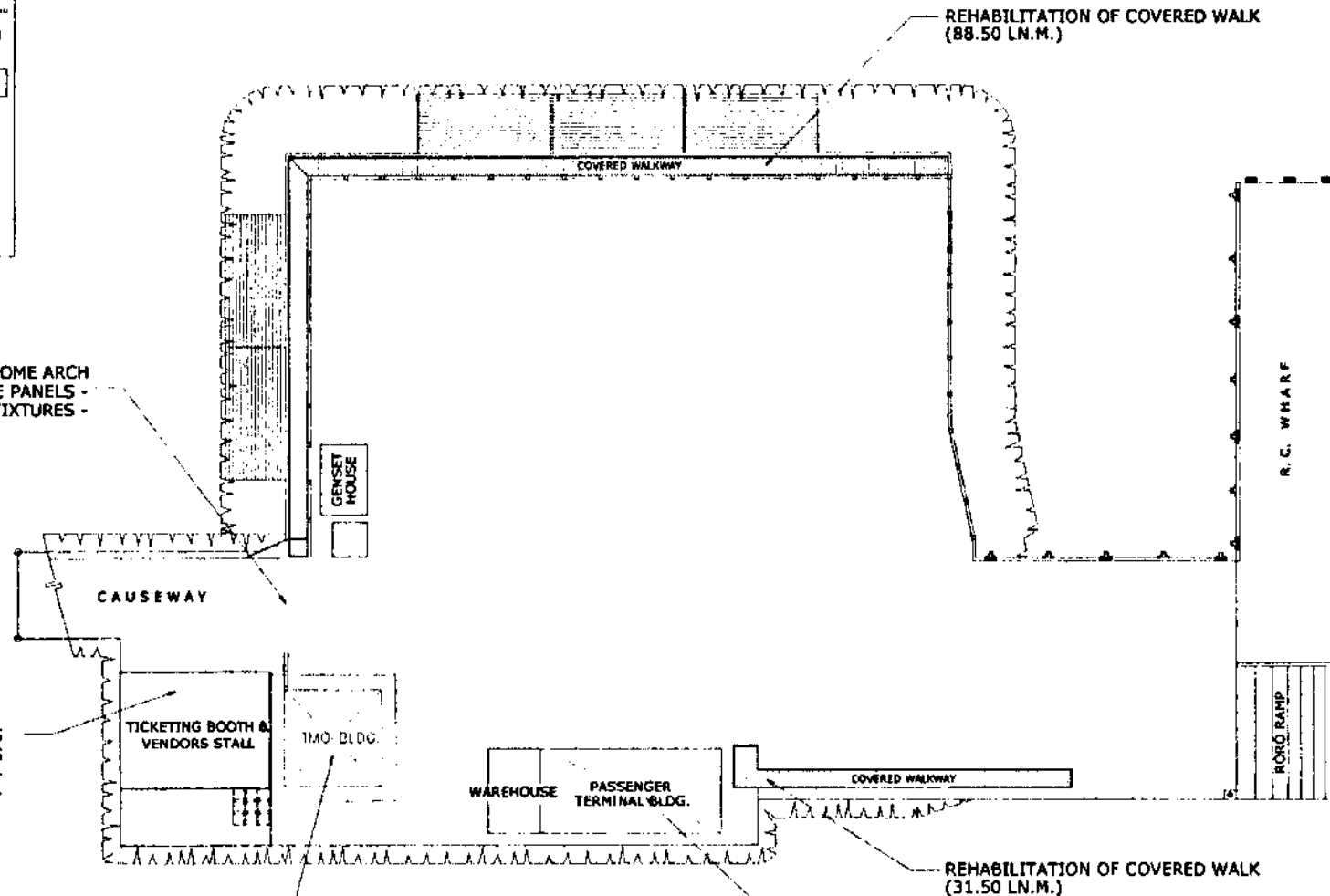


**VICINITY MAP**  
NOT TO SCALE

REHABILITATION OF WELCOME ARCH  
ALUMINUM COMPOSITE PANELS -  
ACRYLIC SIGNAGES AND LIGHTING FIXTURES -

REHABILITATION OF TICKETING  
BOOTH AND VENDOR'S STALLS  
ROOFING MATERIALS -  
CEILING MATERIALS -

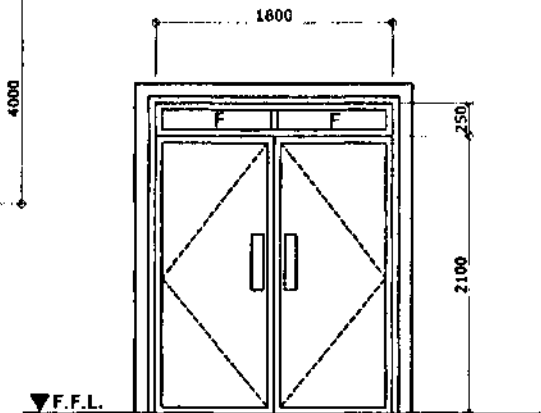
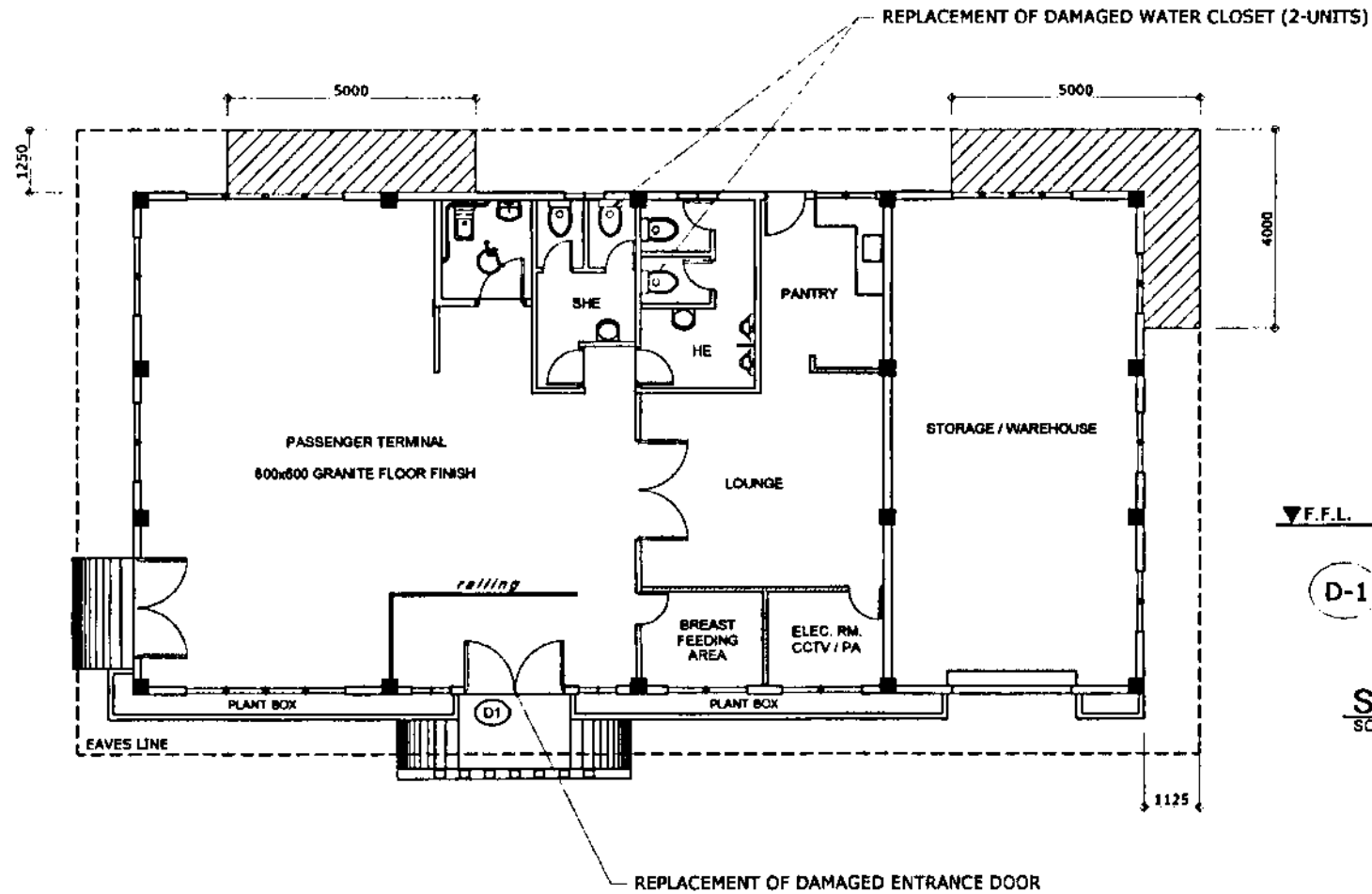
REHABILITATION OF TMO BUILDING  
ROOFING MATERIALS -  
CEILING MATERIALS -  
ELECTRICAL FIXTURES INCLUDING RE-WIRING -  
SCREEN DOOR -  
REPAINTING OF EXTERIOR WALL -



**DEVELOPMENT PLAN**

SCALE 1:400





REHABILITATION OF PASSENGER TERMINAL BUILDING  
- EXTERIOR CEILING  
- SLIDING DOOR  
- PLUMBING FIXTURES

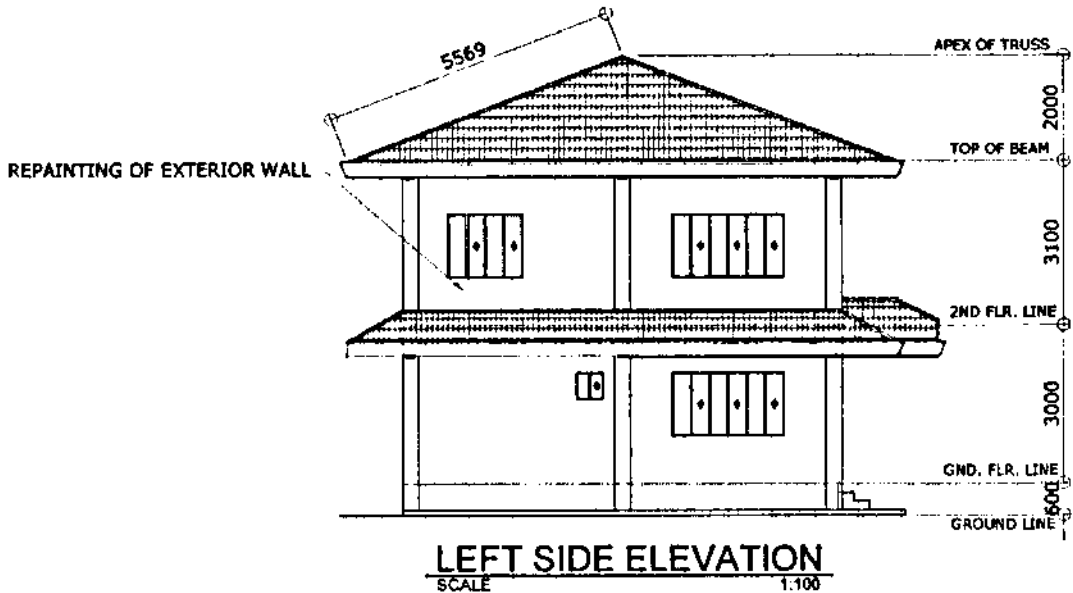
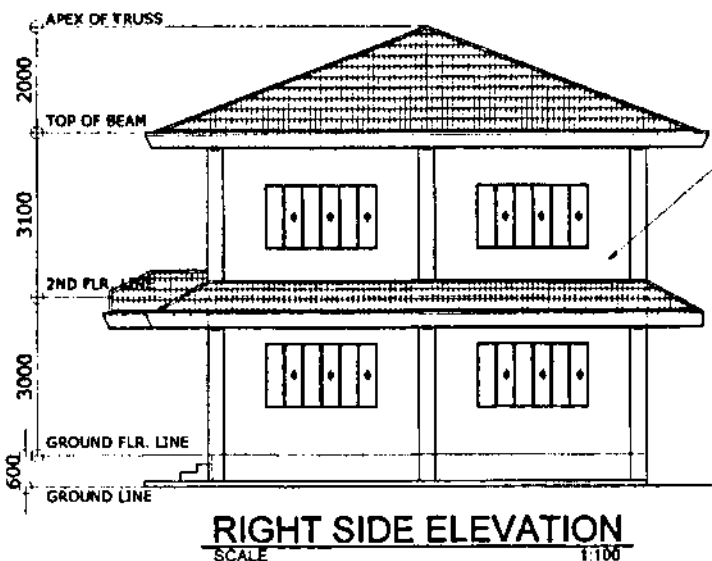
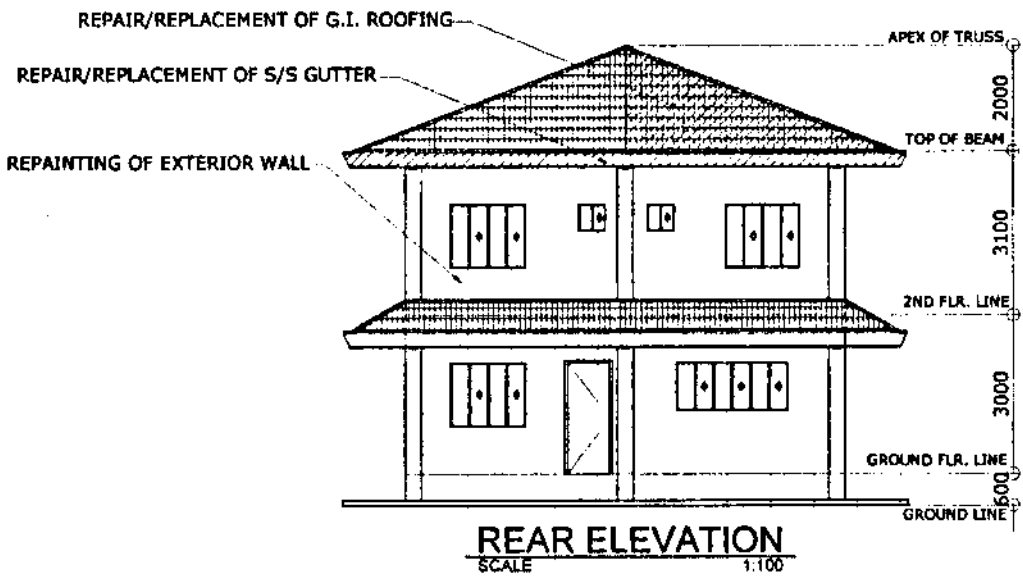
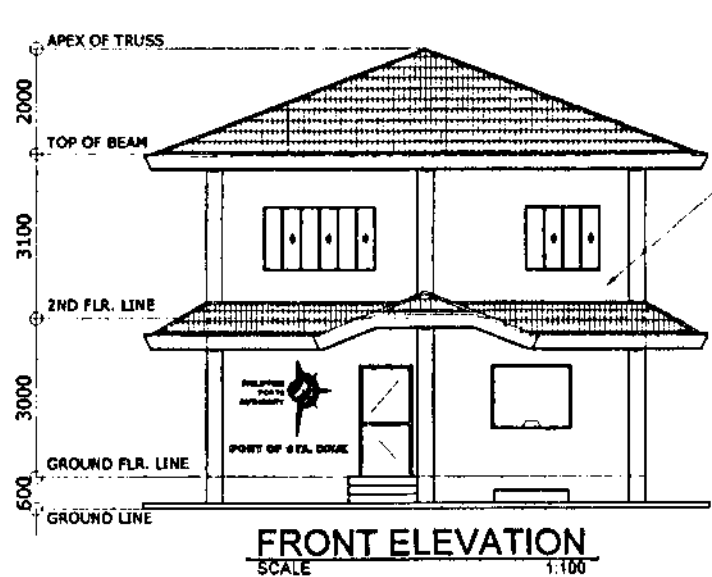


**D-1** SWING TYPE DOOR 1/4" THK. BROWN GLASS ON 50mm x 100mm x 1.5mm THK. ALUMINUM FRAME SETS REQUIRED - ONE



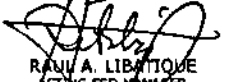
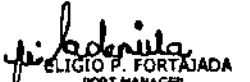
**SCHEDULE OF DOOR**  
SCALE 1:40

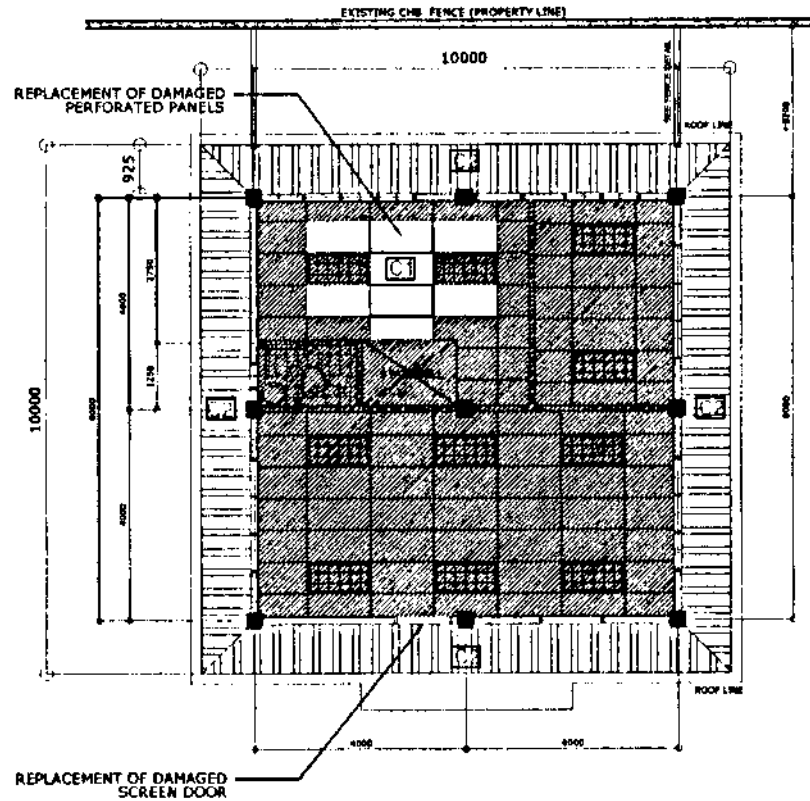
**PTB FLOOR PLAN**  
SCALE 1:100

 <b>PHILIPPINE PORTS AUTHORITY</b> PORT MANAGEMENT OFFICE - MARQUEZ	PROJECT/LOCATION: <b>RESTORATION OF PORT FACILITIES</b> PORT OF STA. CRUZ MARINDUQUE	PREPARED BY:  <b>MARK ANDREW S. PINEDA</b> SENIOR ENGINEER A	REVIEWED/RECOMMENDING APPROVAL:  <b>RAUL A. LIBATIQUE</b> ACTING ESD MANAGER	APPROVED:  <b>GIO P. FORTAJADA</b> PORT MANAGER	SHEET CONTENTS ■ PTB FLOOR PLAN ■ SCHEDULE OF DOOR	<b>17/24</b>
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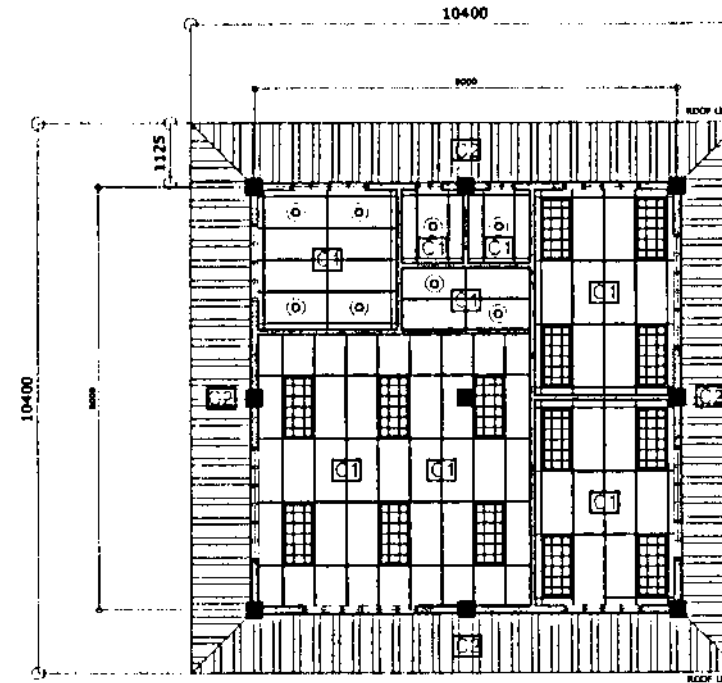
**TMO BUILDING ELEVATION**

 PHILIPPINE PORTS AUTHORITY PORT MANAGEMENT OFFICE - MARQUEZ	PROJECT/LOCATION: <b>RESTORATION OF PORT FACILITIES</b> PORT OF STA. CRUZ MARINDUQUE	PREPARED BY:  MARK ANDREW S. PINEDA SENIOR ENGINEER A	REVIEWED/RECOMMENDING APPROVAL:  RAUL A. LIBATIQUE ACTING ESD MANAGER	APPROVED:  ELIGIO P. FORTAJADA PORT MANAGER	SHEET CONTENTS • FRONT ELEVATION • REAR ELEVATION • LEFT-SIDE ELEVATION • RIGHT-SIDE ELEVATION	18/24
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**GROUND FLOOR  
REFLECTED CEILING PLAN**

SCALE 1:100



**SECOND FLOOR  
REFLECTED CEILING PLAN**

SCALE 1:100

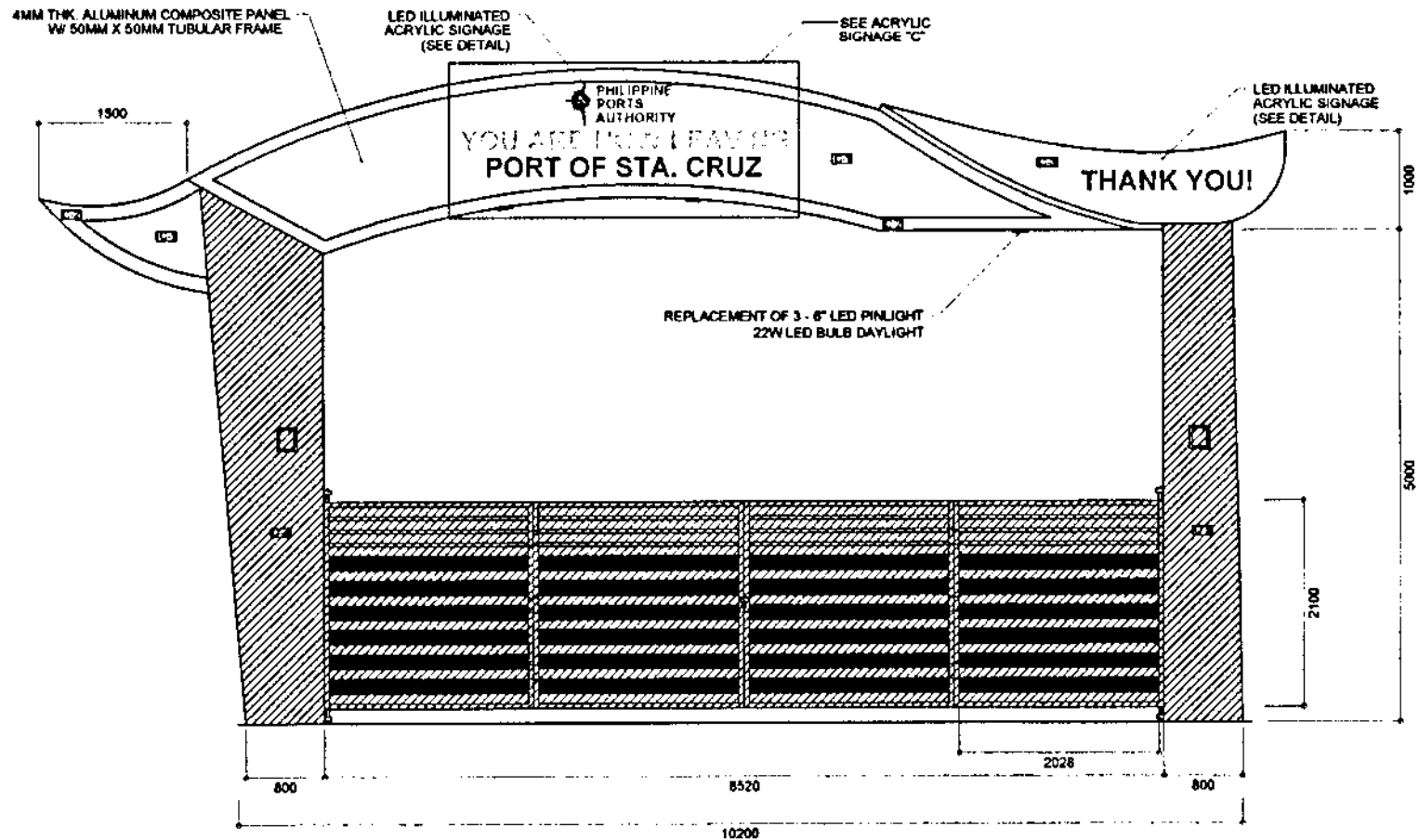
**NOTE:**

ALL CIRCUITS AND FIXTURES SHALL BE REPLACED

**LEGEND:**

- |   |   |
|---|---|
| PERFORATED PANELS, 2' x 4' x 0.70 mm.,<br>BONE WHITE, OR EQUIVALENT                                   | 2 - 22 WATT REGULAR T-8 ENERGY SAVING FLUORESCENT TUBES, 220 VOLT<br>WITH ALUMINUM REFLECTOR LOUVERS, RECESSED MOUNTED TYPE |
| 4" WIDTH PRE-PAINTED SPANDELS<br>CEILING GA. #26 0.5mm THK.<br>AND METAL FURRING @ 0.50M SPACING O.C. | 15W LED PIN LIGHT WITH GLASS COVER  |



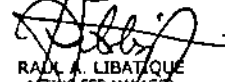
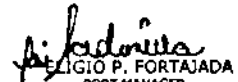


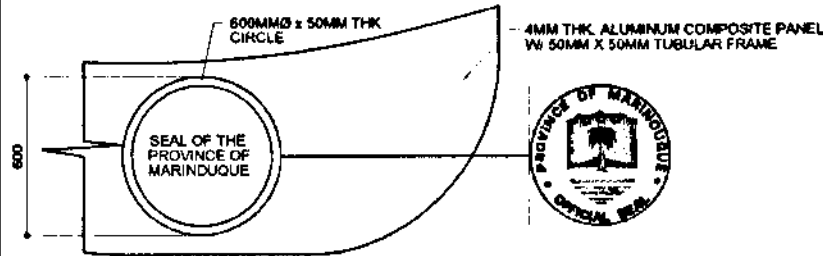


COLOR SCHEME:

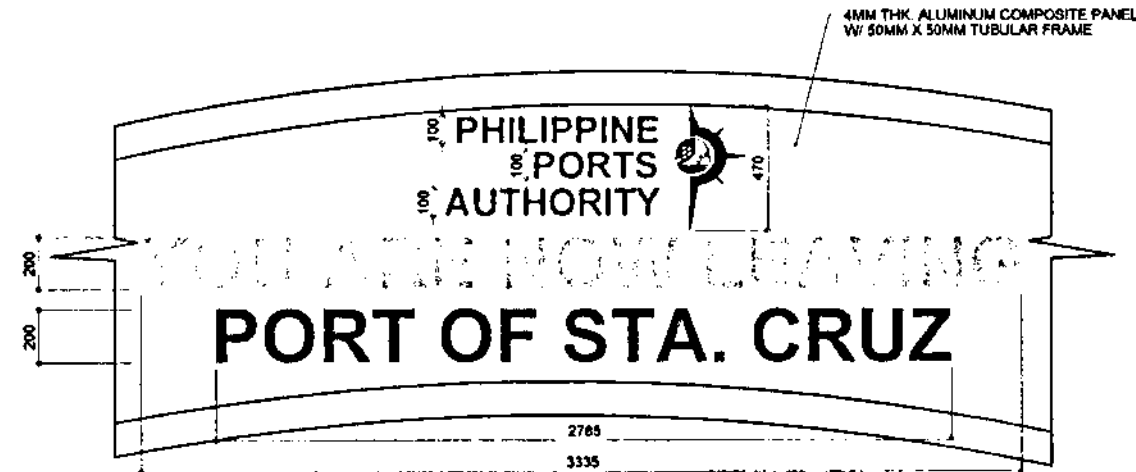
- BASIC BEIGE
- ADMIRAL BLUE
- TAWNY BROWN

**WELCOME ARCH AND GATE EXIT ELEVATION**  
SCALE 1:50

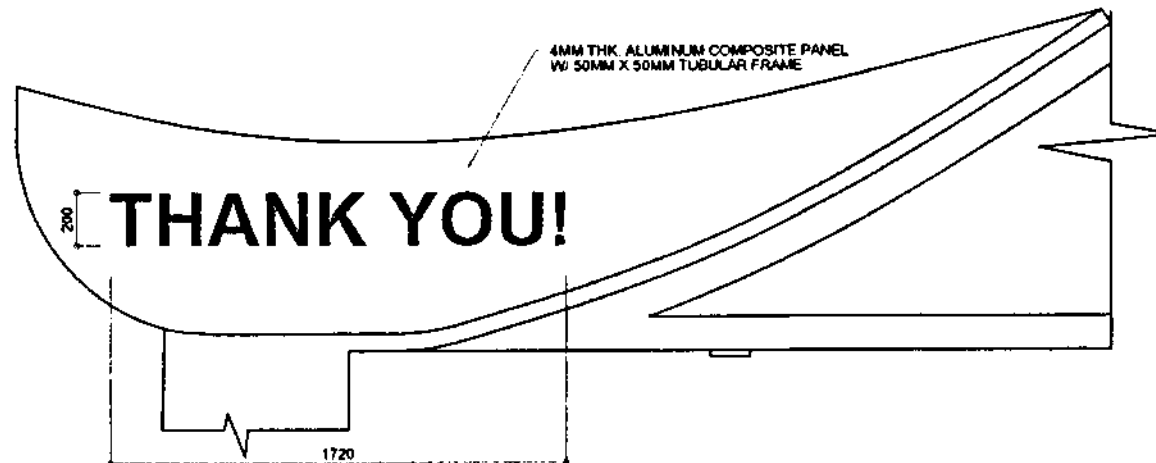
 PORT MANAGEMENT OFFICE - MARQUEZ	PROJECT/LOCATION: <b>RESTORATION OF PORT FACILITIES</b> PORT OF STA. CRUZ MARINDUQUE	PREPARED BY:  MARK ANDREW S. PINEDA SENIOR ENGINEER A	REVIEWED/RECOMMENDING APPROVAL:  RAUL A. LIBATIQUE ACTING ESD MANAGER	APPROVED:  ELIGIO P. FORTAJADA PORT MANAGER	SHEET CONTENTS ■ WELCOME ARCH AND GATE EXIT ELEVATION	21/24
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ACRYLIC SIGNAGE "B"





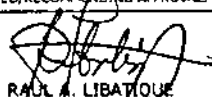

ACRYLIC SIGNAGE "C"

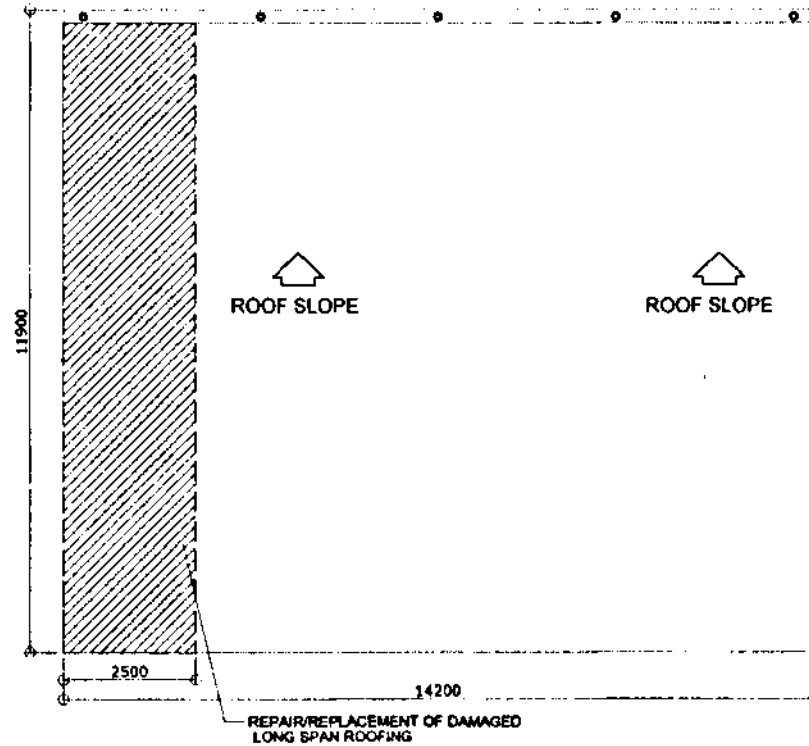


DETAIL OF LED ILLUMINATED ACRYLIC SIGNAGE  
SCALE 1:20

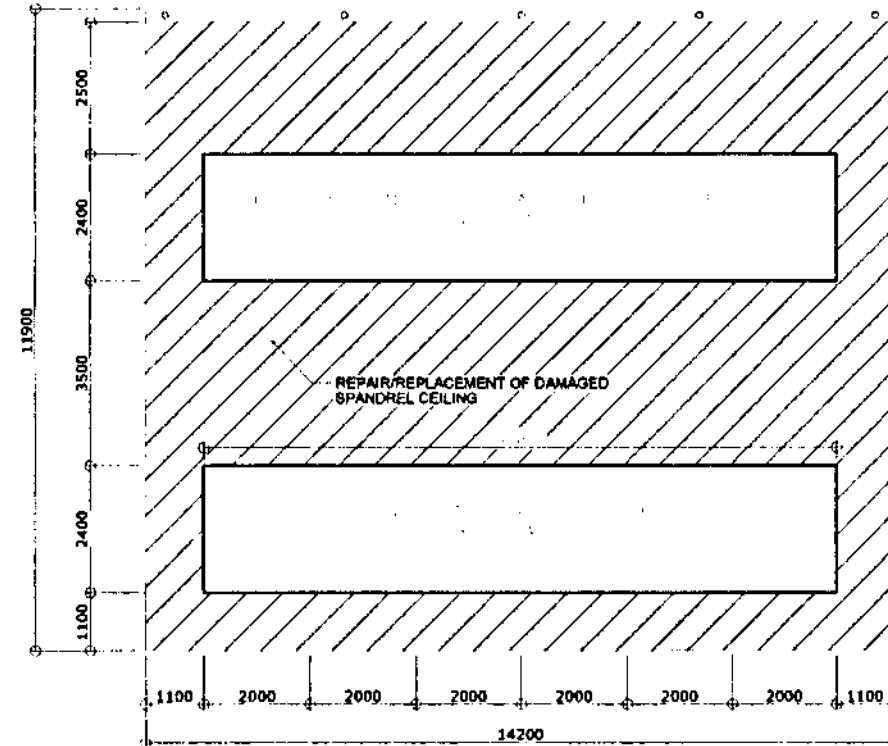


PPA SIGNAGE (FRONT)

 PORT MANAGEMENT OFFICE - MARQUEZ	PROJECT/LOCATION: <b>RESTORATION OF PORT FACILITIES</b> PORT OF STA. CRUZ MARINDUQUE	PREPARED BY:  MARK ANDREW S. PINEDA SENIOR ENGINEER A	REVIEWED/RECOMMENDING APPROVAL:  RAUL A. LIBATIQUE ACTING ESD MANAGER	APPROVED:  J. Pineda PORT MANAGER	SHEET CONTENTS • DETAIL OF LED ILLUMINATED ACRYLIC SIGNAGES	22/24
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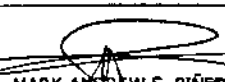
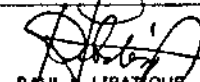
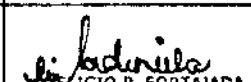


**ROOF PLAN**  
SCALE 1:100

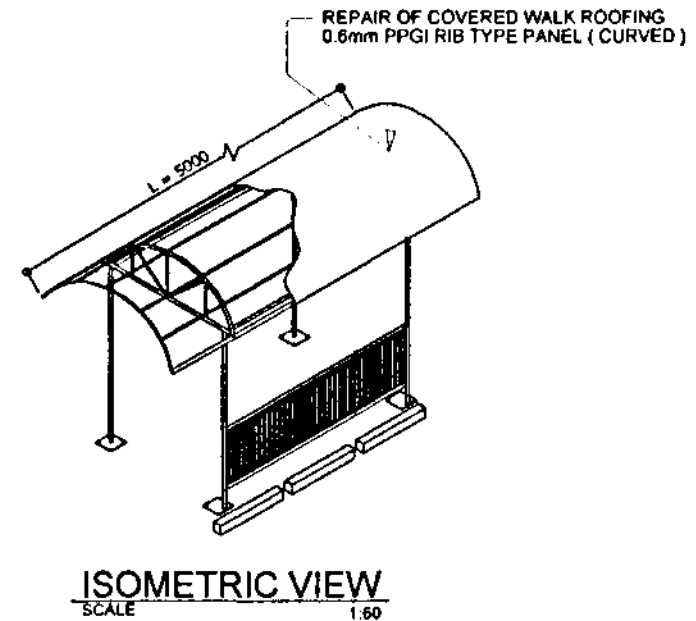
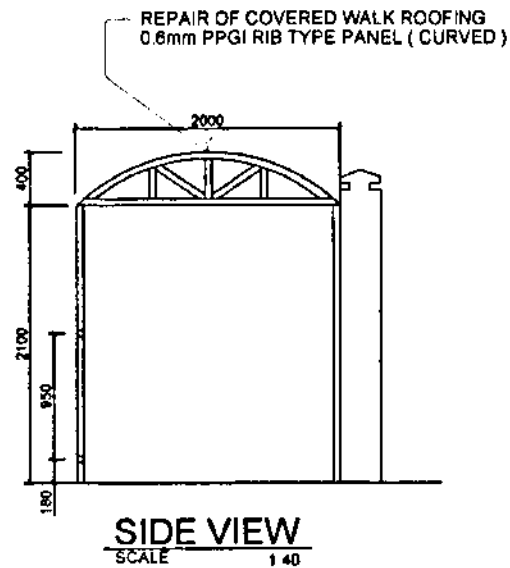
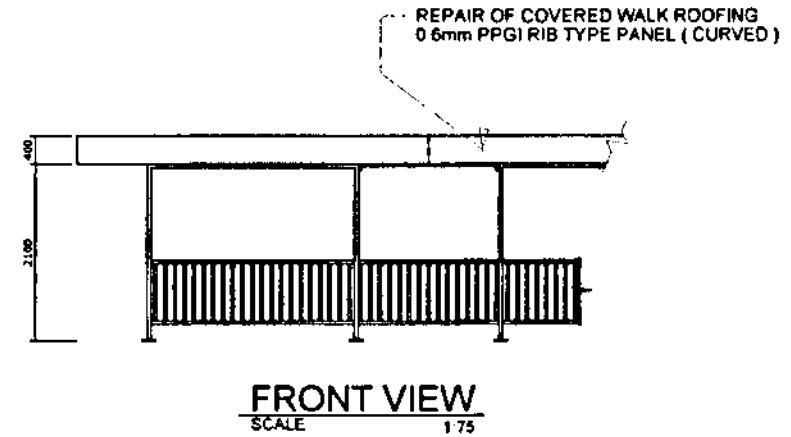
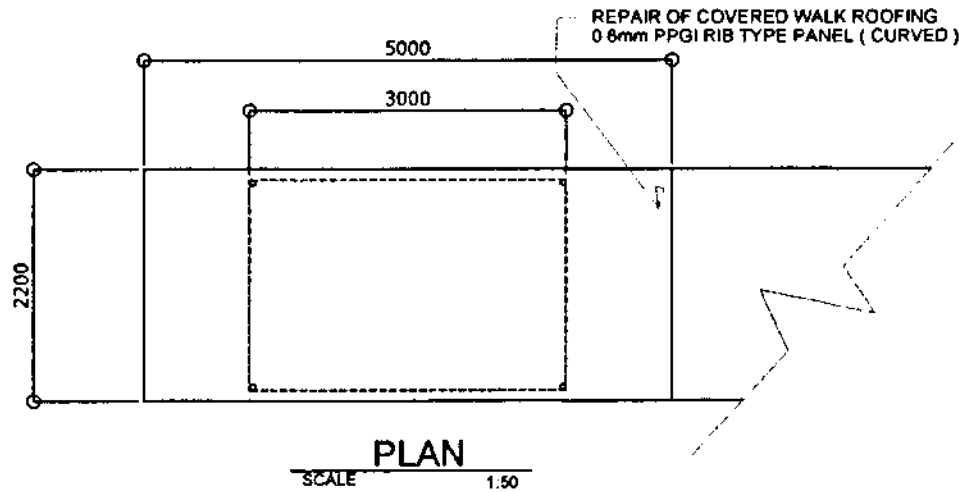


**CEILING PLAN**  
SCALE 1:100



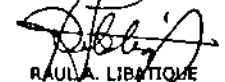

**TICKETING BOOTH AND VENDOR'S STALLS**  
SCALE 1:20

 PHILIPPINE PORTS AUTHORITY PORT MANAGEMENT OFFICE - MARQUEZ	PROJECT/LOCATION: <b>RESTORATION OF PORT FACILITIES</b> PORT OF STA. CRUZ MARINUQUE	PREPARED BY:  MARK ANDREW S. BINEDA SENIOR ENGINEER A	REVIEWED/RECOMMENDING APPROVAL:  PAUL A. LIBATIQUE ACTING ESO MANAGER	APPROVED:  LIGIO P. FORTAJADA PORT MANAGER	SHEET CONTENTS • TICKETING BOOTH AND VENDOR'S STALLS	23/24
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### DETAIL OF COVERED WALK

 PHILIPPINE PORTS AUTHORITY PORT MANAGEMENT OFFICE - MARQUEZ	PROJECT/LOCATION: <b>RESTORATION OF PORT FACILITIES</b> PORT OF STA. CRUZ MARINOUQUE	PREPARED BY:  MARK ANDREW S. PINEDA SENIOR ENGINEER A	REVIEWED/RECOMMENDING APPROVAL:  RAULA LIBATONE ACTING ESD MANAGER	APPROVED:  FELEJO P. FORTAJADA PORT MANAGER	SHEET CONTENTS • DETAIL OF COVERED WALKWAY	24/24
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*SECTION VIII*

*BILL OF QUANTITIES*  
*and*  
*ATTACHMENTS*

**BID SUMMARY**  
**RESTORATION OF PORT FACILITIES**  
**PORT OF LUCENA, LUCENA CITY AND PORTS OF CAWIT AND STA. CRUZ, MARINDUQUE**



NO.	DESCRIPTION OF WORK	AMOUNT (Pesos)
BILL NO. 1	GENERAL EXPENSES	
BILL NO. 2	RESTORATION OF PORT FACILITIES, PORT OF LUCENA, LUCENA CITY	
BILL NO. 3	RESTORATION OF PORT FACILITIES, PORT OF CAWIT, BOAC, MARINDUQUE	
BILL NO. 4	RESTORATION OF PORT FACILITIES, PORT OF STA. CRUZ, MARINDUQUE	
<b>BID PRICE</b>		-

\_\_\_\_\_  
Name of Firm

\_\_\_\_\_  
Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

\_\_\_\_\_  
Date

**BILL OF QUANTITIES**  
**RESTORATION OF PORT FACILITIES**  
**PORT OF LUCENA, LUCENA CITY AND PORTS OF CAWIT AND STA. CRUZ, MARINDUQUE**



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (6)
<b>BILL NO. 1</b>	<b>GENERAL EXPENSES</b>				
1.01	Mobilization/Demobilization and Cleaning-up	l.s.	1.00		
1.02	Provision of Construction Safety and Health Program and Project Bulletin Board	lot	1.00		
<b>TOTAL FOR BILL NO. 1</b>					<b>-</b>

\_\_\_\_\_  
Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

**BILL OF QUANTITIES**  
**RESTORATION OF PORT FACILITIES**  
**PORT OF LUCENA, LUCENA CITY AND PORTS OF CAWIT AND STA. CRUZ, MARINDUQUE**



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (6)
<b>BILL NO. 2</b>	<b>RESTORATION OF PORT FACILITIES, PORT OF LUCENA, LUCENA CITY</b>				
2.01	Restoration of Concrete Pavement	sq.m.	8,884.00		
	a.) Demolish Damaged Concrete Pavement (250mm thk.) including Disposal	cu.m.	2,666.00		
	b.) Excavation, Backfilling & Compaction of Existing Materials	cu.m.	445.00		
	c.) Supply and Place Gravel Base Course (50mm thk.) for correction	sq.m.	8,884.00		
	d.) Supply and Place 4,500 psi Portland Cement Concrete Pavement, PCCP (300mm thk.)	sq.m.	616.50		
	e.) Rehabilitation of Concrete Gutter along access road	sq.m.	411.00		
	f.) Application of Thermoplastic Paint for Road Markings	ln.m.	450.50		
	g.) Restoration of Line Ditch Canal Cover	sq.m.	76.10		
2.02	Restoration of Roofing in-between PTBs 2 & 3	ln.m.	118.00		
2.03	Restoration of Weather Strips on Sliding Windows at Admin Building				
<b>TOTAL FOR BILL NO. 2</b>					<b>-</b>

\_\_\_\_\_  
Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

**BILL OF QUANTITIES**  
**RESTORATION OF PORT FACILITIES**  
**PORT OF LUCENA, LUCENA CITY AND PORTS OF CAWIT AND STA. CRUZ, MARINDUQUE**



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (6)
<b>BILL NO. 3</b>	<b>RESTORATION OF PORT FACILITIES, PORT OF CAWIT, BOAC, MARINDUQUE</b>				
3.01	Rehabilitation of Passenger Terminal Building				
	a.) Ceiling Materials	sq.m.	17.00		
	b.) Sliding Window	sq.m.	6.84		
	c.) Roofing Materials	sq.m.	18.00		
	d.) Lighting Fixtures	lot	1.00		
	e.) Repainting of Exterior Wall	sq.m.	568.00		
3.02	Rehabilitation of TMO Building				
	a.) Roofing Materials	units	3.00		
	b.) Repainting of Exterior Wall	sq.m.	115.00		
3.03	Rehabilitation of Welcome Arch and Gate	sq.m.	41.00		
3.04	Rehabilitation of Covered Walk	ln.m.	5.00		
<b>TOTAL FOR BILL NO. 3</b>					<b>-</b>

\_\_\_\_\_  
Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

**BILL OF QUANTITIES**  
**RESTORATION OF PORT FACILITIES**  
**PORT OF LUCENA, LUCENA CITY AND PORTS OF CAWIT AND STA. CRUZ, MARINDUQUE**



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (6)
<b>BILL NO. 4</b>	<b>RESTORATION OF PORT FACILITIES, PORT OF STA. CRUZ, MARINDUQUE</b>				
4.01	Rehabilitation of Passenger Terminal Building	sq.m.	16.00		
	a.) Exterior Ceiling	sq.m.	4.23		
	b.) Sliding Door	lot	1.00		
	c.) Plumbing Fixtures				
4.02	Rehabilitation of TMO Building	sq.m.	6.00		
	a.) Roofing Materials	sq.m.	145.00		
	b) Ceiling Marerials	lot	1.00		
	c) Electrical Fixtures including Re-Wiring	sq.m.	1.89		
	d) Screen Door	sq.m.	188.00		
	e) Repainting of Exterior Wall				
4.03	Rehabilitation of Ticketing Booth and Vendors Stalls	sq.m.	30.00		
	a.) Roofing Materials	sq.m.	112.00		
	b) Ceiling Marerials				
4.04	Rehabilitation of Welcome Arch	sq.m.	41.00		
	a) Aluminum Composite Panels	lot	1.00		
	b) Acrylic Signages and Lighting Fixtures	ln.m.	120.00		
4.05	Rehabilitation of Covered Walk				
<b>TOTAL FOR BILL NO. 4</b>					<b>-</b>

\_\_\_\_\_  
Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

## **BASIS OF PAYMENT FOR WORK ITEMS INCLUDED IN THE PROPOSAL**

The work items included in the proposal and the basis of payments are as follows:

### **BILL NO. 1**

#### **GENERAL EXPENSES**

**Item 1.01      Mobilization, demobilization, and cleaning**

The quantity to be paid for shall be the minimum equipment requirement enumerated in the bid documents mobilized, demobilized and cleaning of the site and accepted by the Engineer. The contract lump sum price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to mobilize and demobilize all the minimum equipment requirement enumerated in the bid documents including cleaning of the site. Fifty percent (50%) of the total amount shall be payable after the mobilization activity while the remaining (50%) payable after demobilization and cleaning.

**Item 1.02      Provision of Construction Safety and Health Program and Project Bulletin Board**

The quantity to be paid for shall be the actual implementation of construction safety and health program and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the implementation of the Construction Safety and Health Program, as required and approved by the Department of Labor and Employment (DOLE).

### **BILL NO. 2**

#### **RESTORATION OF PORT FACILITIES, PORT OF LUCENA, LUCENA CITY**

**Item 2.01 (a)   Restoration of Concrete Pavement, Demolish Damaged Concrete Pavement (250mm thk.) Including Disposal**

The quantity to be paid for shall be the actual area in square meter of demolished and disposed 250mm thick concrete pavement in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.01 (b)   Restoration of Concrete Pavement, Excavation, Backfilling & Compaction of Existing Materials**

The quantity to be paid for shall be the actual volume in cubic meter of excavated, backfilled and compacted existing materials in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.



**Item 2.01 (c) Restoration of Concrete Pavement, Supply and Place Gravel Base Course (50mm thk.) for Correction**

The quantity to be paid for shall be the actual volume in cubic meter of supplied and placed gravel base course in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.01 (d) Restoration of Concrete Pavement, Supply and Place 4,500 psi Portland Cement Concrete Pavement, PCCP (300mm thk.)**

The quantity to be paid for shall be the actual area in square meter of supplied and placed 4,500 psi portland cement concrete in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.01 (e) Restoration of Concrete Pavement, Rehabilitation of Concrete Gutter along Access Road**

The quantity to be paid for shall be the actual area in square meter of rehabilitated concrete gutter along access road in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.01 (f) Restoration of Concrete Pavement, Application of Thermoplastic paint for Road Markings**

The quantity to be paid for shall be the actual area in square meter of applied thermoplastic paint for road markings in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.01 (g) Restoration of Concrete Pavement, Restoration of Line Ditch Canal Cover**

The quantity to be paid for shall be the actual length in linear meter of restored line ditch canal cover in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.02 Restoration of Roofing in-between PTBs 2 & 3**

The quantity to be paid for shall be the area in square meter of installed polycarbonate roofing in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.03 Restoration of weather strips on sliding windows at admin building**

The quantity to be paid for shall be the actual length in linear meter of weather strips for windows supplied and installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

## BILL NO. 3

### RESTORATION OF PORT FACILITIES, PORT OF CAWIT, BOAC, MARINDUQUE

**Item 3.01 (a) Rehabilitation of Passenger Terminal Building, Ceiling Materials**

The quantity to be paid for shall be the actual area in square meter of installed perforated ceiling panels in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.01 (b) Rehabilitation of Passenger Terminal Building, Sliding Window**

The quantity to be paid for shall be the actual area in square meter of installed windows in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.01 (c) Rehabilitation of Passenger Terminal Building, Roofing Materials**

The quantity to be paid for shall be the actual area in square meter of installed roofing materials in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.01 (d) Rehabilitation of Passenger Terminal Building, Lighting Fixtures**

The quantity to be paid for shall be the completeness of the installation of fixtures in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.01 (e) Rehabilitation of Passenger Terminal Building, Repainting of Exterior Wall**

The quantity to be paid for shall be the actual area in square meter of repainted exterior wall in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.02 (a) Rehabilitation of TMO Building, Roofing Materials**

The quantity to be paid for shall be the actual area in square meter of installed roofing materials in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.02 (b) Rehabilitation of TMO Building, Repainting of Exterior Wall**

The quantity to be paid for shall be the actual area in square meter of repainted exterior wall in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.03 Rehabilitation of Welcome Arch and Gate**

The quantity to be paid for shall be the actual area in square meter of rehabilitated welcome arch and gate in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.04 Rehabilitation of Covered Walk**

The quantity to be paid for shall be the actual length in linear meter of rehabilitated covered walk in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**BILL NO. 4**

**RESTORATION OF PORT FACILITIES, PORT OF STA. CRUZ, MARINDUQUE**

**Item 4.01 (a) Rehabilitation of Passenger Terminal Building, Exterior Ceiling**

The quantity to be paid for shall be the actual area in square meter of replaced exterior ceiling panels in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.01 (b) Rehabilitation of Passenger Terminal Building, Sliding Door**

The quantity to be paid for shall be the actual area in square meter of installed sliding door in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.01 (c) Rehabilitation of Passenger Terminal Building, Plumbing Fixtures**

The quantity to be paid for shall be the completeness of the installation of plumbing fixtures in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.02 (a) Rehabilitation of TMO Building, Roofing Materials**

The quantity to be paid for shall be the actual area in square meter of installed roofing materials in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.02 (b) Rehabilitation of TMO Building, Ceiling Materials**

The quantity to be paid for shall be the actual area in square meter of installed perforated ceiling panels in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.02 (c) Rehabilitation of TMO Building, Electrical Fixtures including Re-Wiring**

The quantity to be paid for shall be the completeness of the installation of electrical fixtures in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.02 (d) Rehabilitation of TMO Building, Screen Door**

The quantity to be paid for shall be the actual area in square meter of installed screen door in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.02 (e) Rehabilitation of TMO Building, Repainting of Exterior Wall**

The quantity to be paid for shall be the actual area in square meter of repainted exterior wall in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.03 (a) Rehabilitation of Ticketing Booth and Vendors Stalls, Roofing Materials**

The quantity to be paid for shall be the actual area in square meter of installed roofing materials in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.03 (b) Rehabilitation of Ticketing Booth and Vendors Stalls, Ceiling Materials**

The quantity to be paid for shall be the actual area in square meter of installed perforated ceiling panels in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.04 (a) Rehabilitation of Welcome Arch, Aluminum Composite Panels**

The quantity to be paid for shall be the actual area in square meter of installed aluminum composite panels in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.04 (b) Rehabilitation of Welcome Arch, Acrylic Signages and Lighting Fixtures**

The quantity to be paid for shall be the completeness of the installation of acrylic signages and lighting fixtures in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.05 Rehabilitation of Covered Walk**

The quantity to be paid for shall be the actual length in linear meter of rehabilitated covered walk in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**MINIMUM MAJOR EQUIPMENT REQUIREMENTS**

2	unit/s	Jackhammer
2	unit/s	Air compressor ( 250 cfm )
1	unit/s	Payloader (1.30 cu.m., 78hp)
1	unit/s	Dump truck ( 12 cu.yd.)
1	unit/s	Concrete cutter
1	unit/s	Backhoe ( 0.50cu.m./132hp )
1	unit/s	Plate compactor, vibratory (5 hp)
1	unit/s	Concrete batching plant, (30 cu.m. cap)
1	unit/s	Transit Mixer (5 cu.m cap.)
1	unit/s	Concrete screeder
1	unit/s	Concrete Vibrator, 3.5 hp
1	unit/s	Bar cutter (electric, 25mm dia min.)
1	unit/s	Water Truck (1000 gal.)
1	unit/s	Conc. mixer (1-bagger)
1	unit/s	Kneading Machine
1	unit/s	Thermoplastic Applicator
1	unit/s	Truck Mounted Hydraulic Telescopic Boom, 100hp, 2MT
2	unit/s	Bar Bender, 25mm dia. max
2	unit/s	Bar Cutter, 25mm dia. max
2	unit/s	Welding Machine, 400amp/54hp
1	unit/s	Oxy-Acetylene Cutting Outfit
2	unit/s	Electric Drill
2	unit/s	Electric Grinder

## CONSTRUCTION SAFETY AND HEALTH REQUIREMENT

The Contractor shall implement the construction safety and health program in accordance with the applicable provisions of the Occupational Safety and Health Standards (OSHS) of the Department of Labor and Employment (DOLE).

The Contractor, subject to the approval of the Engineer shall provide and maintain throughout the duration of the contract a medical room with at least 15 square meters together with all necessary supplies to be sited in the Contractor's main area.

The Contractor shall provide the following minimum requirements:

### LABOR

1	no.	Safety Engineer / Officer
1	no.	Nurse / Health Officer

### EQUIPMENT / MATERIALS

#### Personnel Protective Equipment

30	pcs.	Hard Hats
30	pairs	Gloves (rubberized)
30	pcs.	Safety Glasses/Goggles (clear)
60	pcs.	Long sleeve T-shirt
8	pc.	Aprons
4	pc.	Safety Belts
30	pairs	Safety Shoes
4	sets	Life Lines

#### Safety Devices

1	lot	Barricades
1	lot	Warning signs
2	unit/s	Fire extinguisher (10kg)

Medical and First Aid System	-	Nine (9) mos.
Temporary shelter for workers	-	1 lot

### NOTE:

The Contractor shall provide the above-cited minimum construction safety and health requirements or as required by the Engineer.

PPA MEMORANDUM CIRCULAR  
No. 02  
Series of 2016  
Attachment  
  
Page 1 of 10

REVISED SCHEDULE OF MINIMUM TEST REQUIREMENTS OF  
CONSTRUCTION MATERIALS FOR PPA INFRASTRUCTURE PROJECTS


Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
<b>I. Construction of Pier/Wharf, Platform and Ramp</b>		
<b>Structural Concrete (SC)</b>		
A Portland Cement	Quality Test	For every 2,000 bags (40kg) or fraction thereof
B Fine Aggregate	Quality Test for Grading, Elutriation (wash), Bulk Specific Gravity, Absorption, Mortar Strength, Soundness, Organic Impurities, Unit Weight, % Clay Lumps and Shale	For every 1,500 cubic meter or fraction thereof
C Coarse Aggregate	Quality Test for Grading, Bulk Specific Gravity, Absorption and Abrasion	For every 1,500 cubic meter or fraction thereof
D Water	Certificate from the Engineer or Quality Test for Density and Chloride Content	One per source
E Steel Bars	Mill Certificate and Quality Test for Chemical Composition and Mechanical Properties	For every 10,000 kg or fraction thereof
F Concrete	Compressive Strength on cylinder samples	1 set consisting of 3 concrete cylinder samples shall be taken from each day's pouring and to represent not more than 75 cu m of concrete or fraction thereof
	Slump Test	For every mix
G Admixture and Concrete Curing Materials	Quality Test	One per shipment
<b>Piling (P)</b>		
A Concrete Piles	Fabrication Report	One per fabrication
1 Concrete	Same test as for SC (F)	Same frequency as SC (F)
2 Steel Bars	Same test as for SC (E)	Same frequency as SC (E)
3 High Tension Strand	Test for Chemical Composition and Mechanical Properties	For every 20000kg or fraction thereof



PPA MEMORANDUM CIRCULAR  
No. 02  
Series of 2016  
Attachment  
Page 2 of 10

Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
4 Coarse Aggregates	Same Test as for SC (C)	Same frequency as SC (C)
5 Fine Aggregates	Same Test as for SC (B)	Same frequency as SC (B)
B Steel Pipe Piles	Fabrication Report, Mill Certificate and Quality Test for Chemical and Mechanical properties	One per fabrication
1 Steel	Chemical Composition (refer below) <ul style="list-style-type: none"><li>Under 14" (355.60mm) Outside Diameter</li><li>14" to 36" (355.6 to 914mm) Outside Dia</li><li>Over 36" (914mm) Outside Diameter</li></ul> Mechanical/Tensile	2 from 200 pipe or fraction thereof 2 from 100 pipe or fraction thereof 2 from 3000ft (914m) or fraction thereof One (1) tension test shall be made on one length or fraction thereof of each size, or one piece of skelp representing each lot of 200 lengths or fraction thereof of each size
2 Polyurethane Coating	Mill Certificate and Quality Test	One per fabrication
3 Concrete	Same test as for SC (F)	Same frequency as SC (F)
4 Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)
5 Coarse Aggregate	Same test as for SC (C)	Same frequency as SC (C)
6 Steel Bars	Same Test as SC (E)	Same frequency as SC (E)
7 Water	Same Test as SC (D)	Same frequency as SC (D)
Rubber Dock Fenders (RDF)	Physical Test Performance Test for Energy Absorption and Reaction Force	All units All units
Accessories Washer and Fixing Bolt, Anchor Bolt	Physical Test Quality Test for Chemical Composition and Mechanical Properties	All units One per fabrication

PPA MEMORANDUM CIRCULAR  
No. 02  
Series of 2016  
Attachment  
  
Page 3 of 10



PPA MEMORANDUM CIRCULAR  
No. 02  
Series of 2016  
Attachment  
Page 4 of 10

Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
Rocks	Test for Apparent Specific Gravity and Abrasion	For every 1,500 cubic meter or fraction thereof
Geotextile Filter	Physical and Mechanical Test Mill Certificate	One per batch One per batch
Sand and Gravel Fill	Quality Test for Organic Impurities and Grading	For every 1,500 cubic meter or fraction thereof
Selected Fill	Quality Test for Grading, Plasticity and Laboratory Compaction Test  Laboratory California Bearing Ratio (CBR)  Field Density Test	For every 1,500 cubic meter or fraction thereof  For every 2,500 cubic meter or fraction thereof  For every layer of 150mm of compacted depth at least one group of three In-situ density test for every 500 sq m or fraction thereof
Aggregate Base Course	Quality Test for Grading and Plasticity  Quality Test for Grading, Plasticity, Abrasion and Laboratory Compaction Test  Laboratory California Bearing Ratio (CBR)  Field Density Test	For every 300 cubic meter or fraction thereof  For every 1,500 cubic meter or fraction thereof  Same frequency as Selected Fill Same frequency as Selected Fill
Portland Cement Concrete Pavement (PCCP) A Portland Cement B Fine Aggregate C Coarse Aggregate D Water E Steel Bars (Dowels) F Joint Filler	Same test as for SC (A) Same test as for SC (B) Same test as for SC (C) Same test as for SC (D) Same test as for SC (E) Quality Test	Same frequency as SC (A) Same frequency as SC (B) Same frequency as SC (C) Same frequency as SC (D) Same frequency as SC (E) One (1) per shipment

PPA MEMORANDUM CIRCULAR  
No. 02  
Series of 2016  
Attachment  
  
Page 5 of 10

Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
G Admixture and Concrete Curing Material	Same test as for SC (G)	Same frequency as SC (G)
H Concrete	Same test as for SC (F)  Flexural Test	Same frequency as SC (F)  3 beam samples for every 330 sq m or fraction thereof
I Completed Pavement	Core Test	1 set (3 specimen) for every 2,500 sq m and fraction thereof
Interlocking Concrete Blocks		
A Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)
C Coarse Aggregate	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Admixture & Concrete Curing Materials	Same test as for SC (G)	Same frequency as SC (G)
F Completed Blocks	Physical Test and Compressive Strength	6 blocks per day of fabrication
Cement Treated Base Course (CTB)		
A Portland Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine & Coarse Aggregates	Quality Test for Grading, Abrasion and Soundness	For every 1,500 cubic meter or fraction thereof
C Water	Same test as for SC (D)	Same frequency as SC (D)
D Completed CTB	Field Density Test	For every layer of 150mm of compacted depth at least one group of three In-situ density test every 500 sq m or fraction thereof
Retaining Wall/Coping Wall/RC Curb/RC Ditch/Shear Key/Concrete Blocks/Lean Concrete		
A Portland Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)

PPA MEMORANDUM CIRCULAR  
No. 02  
Series of 2016  
Attachment  
Page 6 of 10

Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
C Coarse Aggregates	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Steel Bars	Same test as for SC (E)	Same frequency as SC (E)
F Admixture and Concrete Curing	Same test as for SC (G)	Same frequency as SC (G)
G Concrete	Same test as for SC (F)	Same frequency as SC (F)
Tie Rod		
A Steel	Same test as for SC (E)	One per batch
B Assembly	Performance Test (Tension)	One per batch
Tie Bars and Dowels	Same test as for SC (E)	For every 10,000 kg or fraction thereof per Tie bars and Dowels
Pipe Culverts and Storm Drains		
A Pipes	Test for Strength, Absorption and Physical	For every 50 pieces
B Mortar or Joint	Same Test as for SC (A,B and D) Alternative Test Same test as for SC (F) and Inspection Report	For every 25 pieces
Concrete Hollow Blocks		
A Portland Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregates	Same test as for SC (B)	Same frequency as SC (B)
C Water	Same test as for SC (D)	Same frequency as SC (C)
D Concrete	Same test as for SC (F)	Same frequency as SC (F)
E Completed CHB	Quality Test	One for every 500 pieces or fraction thereof
Construction Joints (CJ)		
A Angle Bars	Test for Physical and Mechanical Properties	One per batch
B Steel Bars	Same test as for SC (E)	One per batch
C Zinc (Hot Dip Galvanizing) Coatings	Physical Test for Appearance, Stripping, Weighing, Adherence and Adhesion  Coating Thickness Magnetic Thickness Measurement	All units  1 set (3 specimen) for every 100,000 sq mm or fraction thereof

PPA MEMORANDUM CIRCULAR  
No. 02  
Series of 2016  
Attachment  
Page 7 of 10

Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
Sacked Concrete		
A Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregates	Same test as for SC (B)	Same frequency as SC (B)
C Coarse Aggregates	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Concrete	Same test as for SC (F)	Same frequency as SC (F)
F Sack (jute)	Physical Test	One for every 50 pieces
Rubble Concrete		
A Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregates	Same test as for SC (B)	Same frequency as SC (B)
C Coarse Aggregates	Same test as for SC (C)	Same frequency as SC (C)
D Water	Same test as for SC (D)	Same frequency as SC (D)
E Concrete	Same test as for SC (F)	Same frequency as SC (F)
F Rocks	Same test as for ROCKS	Same frequency as ROCKS
Earthworks		
A Sub-grade preparation	Grading Test Plasticity Test (LL, PL, PI) Laboratory Compaction Test  Density Test	For every 1,500 cubic meter or fraction thereof  For every layer of 150mm of compacted depth at least one group of three in-situ density test every 500 sq m or fraction thereof
B Structure Excavation	If excavated materials shall be used as Backfill Grading Test Plasticity Test (LL, PL, PI) Laboratory Compaction Test  Density Test	For every 1,500 cubic meter or fraction thereof  For every layer of 150mm of compacted depth at least one group of three in-situ density test every 500 sq m or fraction thereof

ENC

6

PPA MEMORANDUM CIRCULAR

No. 02

Series of 2016

Attachment

Page 8 of 10

Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
III Port Operations Building/Passenger Terminal Building/Transit Shed/Warehouse		
STRUCTURAL WORKS		
Refer to Structural Concrete (SC) and Piling Works (P)		
ARCHITECTURAL WORKS		
Ceramic – Filled Liquid Membrane / Water Proofing, Hydrophobic Poreblocking Ingredients with Superplasticizer	Physical Property, Mechanical and Chemical Property, Leak Test / Flood Test	One per shipment
Paint	Quality Test	One 4-L can for every 100 cans or fraction thereof
Ceramic Tile	Inspection and Evaluation Report from the Engineer	One per shipment
Stainless Steel	Inspection and Evaluation Report from the Engineer	One per shipment
Roofing Materials	Inspection and Evaluation Report from the Engineer	One per shipment
Ceiling Materials	Inspection and Evaluation Report from the Engineer	One per shipment
ELECTRICAL AND MECHANICAL WORKS		
Wires / Cables	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment
Electrical Devices	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment
Fire Alarm System	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Warning Devices	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment

PPA MEMORANDUM CIRCULAR  
No. 02  
Series of 2016  
Attachment  
Page 8 of 10

Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
Protective Devices	Inspection and Evaluation Report from the Engineer  Testing and Commissioning	One per shipment
Telephone System	Inspection and Evaluation Report from the Engineer  Testing and Commissioning	One per item
CCTV System	Inspection and Evaluation Report from the Engineer  Testing and Commissioning	One per item
CATV System	Inspection and Evaluation Report from the Engineer  Testing and Commissioning	One per item
Background Music and Paging System	Inspection and Evaluation Report from the Engineer, Testing and Commissioning	One per item
Air Conditioning Units & Ventilation	Inspection and Evaluation Report from the Engineer  Testing and Commissioning	One per item
Conduit Pipes	Inspection and Evaluation Report from the Engineer  Testing and Commissioning	One per item
Lighting Fixtures	Inspection and Evaluation Report from the Engineer  Testing and Commissioning	One per item
<b>PLUMBING WORKS</b>		
Pipes	Inspection and Evaluation Report from the Engineer  Testing and Commissioning	One per item

140



PPA MEMORANDUM CIRCULAR  
No. 02  
Series of 2016  
Attachment  
Page 10 of 10

Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
Fixtures	Inspection and Evaluation Report from the Engineer  Testing and Commissioning	One per item
Pipe Culverts	Compression Strength  Inspection and Evaluation Report from the Engineer	For every size not more than 25 pipes cast in the field
<b>IV Miscellaneous Materials</b> Fencing A Barbed Wire, Cyclone Wire Mesh, Chain Link B Concrete Post	Physical Test (Dimensions and Coatings)  Refer to Superstructure (SC)	One per Batch  Refer to Superstructure (SC)
Lamp Post A Structural Steel B Zinc (Hot Dip Galvanizing) Coatings	Physical Test (Dimensions) Same test as for SC (E)  Same test as for CJ (C)	All units  One per batch
Drainage Steel Grating	Same test as for SC (E)  Inspection Report	One (1) batch
Metal Pipe (Cast Iron Galvanized, etc )	Physical Test (Dimensions and Coatings)	1 per delivery
Welding Works	Destructive and Non Destructive Test	One (1) per lot

**NOTES** 1. Testing of RDF shall be performed only by an independent Testing Laboratory duly accredited by BRS, DOST and PPA  
2. Testing of other materials shall be performed only by an independent Testing Laboratory duly accredited by BRS and PPA.  
3. All other issuances which are otherwise inconsistent herewith are hereby revoked or otherwise amended.

Approved

  
**RAUL T. SANTOS**  
Officer-In-Charge,  
Office of the General Manager



## ***SECTION IX***

### ***CHECKLIST OF TECHNICAL AND FINANCIAL DOCUMENTS***

# Checklist of Technical and Financial Documents

## I. TECHNICAL COMPONENT ENVELOPE

### *Class "A" Documents*

#### Legal Documents

- ☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages)

#### Technical Documents

- ☐ (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- ☐ (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules; **and**
- ☐ (d) Special PCAB License in case of Joint Ventures; **and** registration for the type and cost of the contract to be bid; **and**
- ☐ (e) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission; **or**  
Original copy of Notarized Bid Securing Declaration; **and**
- ☐ (f) Project Requirements, which shall include the following:
- ☐ a. Organizational chart for the contract to be bid;
  - ☐ b. List of contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data;
  - ☐ c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; **and**
- ☐ (g) Original duly signed Omnibus Sworn Statement (OSS); **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

**Financial Documents**

- ☐ (h) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).

***Class "B" Documents***

- ☐ (i) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence;  
**or**  
duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

**II. FINANCIAL COMPONENT ENVELOPE**

- ☐ (j) Original of duly signed and accomplished Financial Bid Form; **and**

***Other documentary requirements under RA No. 9184***

- ☐ (k) Original of duly signed Bid Prices in the Bill of Quantities; **and**  
☐ (l) Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid; **and**  
☐ (m) Cash Flow by Quarter.

***SECTION X***  
***BIDDING FORM***

**Bid Form for the Procurement of Infrastructure Projects**  
*[shall be submitted with the Bid]***BID FORM**Date : \_\_\_\_\_  
Project Identification No. : \_\_\_\_\_**To: Philippine Ports Authority**  
PPA Building, Bonifacio Drive,  
South Harbor, Port Area, Manila

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers \_\_\_\_\_, the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: **Restoration of Port Facilities, Ports of Lucena, Lucena City and Ports of Cawit and Sta. Cruz, Marinduque;**
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: \_\_\_\_\_;
- d. The discounts offered and the methodology for their application are: \_\_\_\_\_;
- e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid within the period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of \_\_\_\_\_ percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines<sup>1</sup> for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and

<sup>1</sup> currently based on GPPB Resolution No. 09-2020

- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the **Restoration of Port Facilities, Ports of Lucena, Lucena City and Ports of Cawit and Sta. Cruz, Marinduque** of the **Philippine Ports Authority**.
- l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: \_\_\_\_\_

Legal Capacity: \_\_\_\_\_

Signature: \_\_\_\_\_

Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_

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

**STATEMENT OF THE BIDDER'S ALL ONGOING GOVERNMENT AND PRIVATE CONTRACTS, INCLUDING CONTRACTS AWARDED BUT NOT YET STARTED**

I hereby declare that all ongoing contracts, including awarded contracts yet to be started coinciding with the contract to be bid are listed below:

Name of outstanding Contracts 1]	Owner's Name and Address	Scope of Work 2]	Contractor's Role and Percentage of Participation 3]	Total Contract Amount or Value 4]	Date of Contract and NOA 5]	Value of Outstanding Works 6]	Accomplishment (in percentage, %) 7]		Contract Duration 8]	
							Planned	Actual	Start of Project	Estimated Completion Date
A) Government Contracts i. On-going ii. Awarded but not yet started										
B) Private Contracts i. On-going ii. Awarded but not yet started										

**NOTE:**

- 1] As appearing in the contract executed by the parties.
- 2] With special reference to the Scope of Works of the Project as described/enumerated in the Contract.
- 3] Indicate the percentage of participation and whether as Sole Contractor, Sub-Contractor or Member in a Joint Venture / Consortium.
- 4] Indicate the FOREX used if Contract Value is expressed in a currency other than the Philippine Peso.
- 5] As appearing in the Contract and Notice of Award (NOA).
- 6] Amount or value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started coinciding with the contract to be bid.
- 7] Percentage of Accomplishment as of the preceding month which should not be earlier than two (2) months from the date of bid submission.
- 8] As appearing in the Notice to Proceed and Contract.

This Statement shall be supported by:

- a) Notice of Award
- b) Notice to Proceed and Contract

\_\_\_\_\_  
Name of Firm

\_\_\_\_\_  
Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

\_\_\_\_\_  
Date

Revised: September 2021



**STATEMENT OF THE BIDDER'S SINGLE LARGEST COMPLETED CONTRACT (SLCC) SIMILAR TO THE CONTRACT TO BE BID**

Name of the completed Contract  1]	Owner's Name and Address	Scope of Work  2]	Contractor's Role and Percentage of Participation  3]	Total Contract Value At 4]			Date of Award  5]	Contract Duration 6]	
				Award	Completion	Escalated Value to Present Prices		Start	Completed

**NOTE :**

- 1] As appearing in the contract executed by the parties.
  - 2] With special reference to the Scope of Works of the Project as described/enumerated in the Contract.
  - 3] Indicate the percentage of participation and whether as Sole Contractor, Sub-Contractor or Member in a Joint Venture / Consortium.
  - 4] Indicate the FOREX used if Contract Value is expressed in a currency other than the Philippine Peso. Attached the computation for the escalated contract value.
  - 5] As appearing in the Notice of Award.
  - 6] As appearing in the Notice to proceed and Certificate of Completion.
- A. The bidder must have an experience of having completed a SLCC that is similar to the contract to be bid equivalent to at least fifty percent (50%) of the ABC, adjusted if necessary, by the Bidder to current prices using the PSA consumer price indices. A contract is considered to be "similar" to the contract to be bid if it has the same Major Categories of Work as stated in the Bid Data Sheet (BDS).
- B. This Statement shall be supported by:
- a. Notice of Award, Notice to Proceed and Contract.
  - b. Project Owner's Certificate of Final Acceptance issued by the owner and/ or Constructors Performance Evaluation System (CPES) Final Rating, which must be at least Satisfactory. The said Certificate of Acceptance shall contain the following: 1) Name of project owner that issued the certificate, 2) Name of Contractor/ Constructor, 3) Name of Contract, and 4) Contract Duration.
  - c. Recapitulation or Final Bill of Quantities.

\_\_\_\_\_  
Name of Firm\_\_\_\_\_  
Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)\_\_\_\_\_  
Date

Revised: August 2023

**STATEMENT OF THE BIDDER'S EXPERIENCE ON MAJOR CATEGORIES OF WORK OF THE SLCC INCLUDING OTHER COMPLETED CONTRACTS SIMILAR TO THE CONTRACT TO BE BID**

Major Categories of Work 1]	Unit of Measure 1]	Quantity 1]	SLCC similar to the contract to be bid 2]	Other completed contracts similar to the contract to be bid 2]			Unit of Measure 2]	Quantity 2]
			Name of the contract	Name of the contract	Name of the contract	Name of the contract		
1. Portland Cement Concrete Pavement, PCCP (300mm thk.)	sq.m.	4,442.00						

**NOTE:**

1] As stated in the Bid Data Sheet.

2] As appearing in the Recapitulation and/ or Final Bill of Quantities.

This statement shall be supported by:

a. Notice of Award, Notice to Proceed and Contract.

b. Project Owner's Certificate of Final Acceptance issued by the owner and/ or Constructors Performance Evaluation System (CPES) Final Rating, of at least satisfactory. The said Certificate of Acceptance shall contain the following: 1) Name of project owner that issued the certificate, 2) Name of Contractor/Constructor, 3) Name of Contract, and 4) Contract Duration.

c. Recapitulation and/ or Final Bill of Quantities.

\_\_\_\_\_  
Name of Firm

\_\_\_\_\_  
Name of Bidder/Authorized Representative  
Signatory's Legal Capacity

\_\_\_\_\_  
Date

Revised: August 2023

## FINANCIAL DATA

- A. The prospective bidder's audited Financial Statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "RECEIVED" by the Bureau of Internal Revenue (BIR), or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission.

	Year
1. Total Assets	
2. Current Assets	
3. Total Liabilities	
4. Current Liabilities	
5. Net worth (1-3)	
6. Net Working Capital (2-4)	

- B. The computation of the bidders Net Financial Contracting Capacity (NFCC) must be at least equal to the ABC to be bid, as follows:

NFCC = [ (Current assets minus current liabilities) (15) ] minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started coinciding with the contract to be bid.

NFCC = \_\_\_\_\_

Attached herewith are certified true copies of the audited financial statements stamped received by the BIR or BIR authorized collecting agent for the latest/immediately preceding calendar year.

\_\_\_\_\_  
Name of Firm/Applicant

\_\_\_\_\_  
Authorized Signing Official

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

**NOTES:**

If Partnership or Joint Venture, each Partner or Member Firm of Joint venture shall submit separate financial statements.

**STATEMENT OF THE BIDDER'S KEY PERSONNEL PLEDGED FOR THE CONTRACT TO BE BID**

I hereby declare that the following key personnel are qualified and available for the duration of the contract to be bid:

Position of Key Personnel 1]	Name	No. of Key Personnel	Similar Experience in the Position (Years) 2]	Total Experience in the Position (Years)	Attachment(s)	Annex(es)
Project Manager					PRC License (CE Preferred) Complete Qualification and Experience Data Certificate of Commitment	Annex " _ "
Project Engineer					PRC License (CE Preferred) Complete Qualification and Experience Data Certificate of Commitment	Annex " _ "
Materials Engineer I					PRC License (CE Preferred) Submit Valid and Renewed DPWH Certificate of Accreditation Submit Accreditation Identification Card as Materials Engineer Complete Qualification and Experience Data Certificate of Commitment	Annex " _ "
Construction Safety and Health Officer					Certificate of Safety and Health Construction Related Course issued by DOLE Accredited Trainings Complete Qualification and Experience Data Certificate of Commitment	Annex " _ "
Foreman					Complete Qualification and Experience Data Certificate of Commitment	Annex " _ "
Other Position(s)					Complete Qualification and Experience Data Certificate of Commitment	Annex " _ "

**NOTE:** 1] As stated in the Bid Data Sheet  
2] The number of years of experience of the key personnel shall be as indicated in the qualification and experience data or curriculum vitae.

Minimum qualification requirements: The key personnel must have a work experience that is similar in nature and complexity to the contract to be bid.

Project Manager - Five (5) years	Materials Engineer – One (1) year
Project Engineer - Three (3) years	Materials Engineer I – for projects costing up to 100M
Foreman - Five (5) years	Materials Engineer II – for projects costing more than 100M
Construction Safety and Health Officer – One (1) year	

\_\_\_\_\_  
Name of Firm

\_\_\_\_\_  
Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

\_\_\_\_\_  
Date

Revised: August 2023

# STATEMENT OF THE BIDDER'S EQUIPMENT PLEDGED FOR THE CONTRACT TO BE BID

I hereby declare that the following equipment are in good operating condition and available for the duration of the contract to be bid:

DESCRIPTION (Type, Model, Make)	No. of Unit(s)	Capacity/ Output	Owned, Leased, and/or under purchased agreement 2]	Proof of Ownership/ Leased/ Under Purchase Agreement (Mark as Annex "A.....Z") 3]	OTHER INFORMATION (As Applicable)				
		1]			Manufacturer	Engine Serial No.	Chassis No./ Name of Vessel	Location	Status

**NOTE:**

- 1] The unit of capacity of the pledged equipment shall be as indicated in the Proof of Ownership, i.e. GW (for crane barge), DWT (for deck barge and hopper barge), Ton (for crane, road roller and drop hammer), kg.-m/blow (for diesel hammer), cu.m. (for dump truck), hp (for tugboat, road grader, bulldozer and concrete vibrator), cfm (for compressor), gal (for water truck with pump), amp (for welding machine), bagger (for concrete mixer). If the capacity of the pledged equipment is not indicated in the Proof of Ownership/Leased Contract/Purchased Agreement, submit other proof of capacity such as specifications, brochures or other verifiable printouts indicating the model name, model number and other details of the equipment.
- 2] Indicate if the pledged equipment are owned, leased or under purchase agreement.
- 3] If the pledged equipment is owned, it should be in the name of the bidder. Submit proof of ownership, i.e. deed of sale, sales invoice, official receipt; For owned Water Truck, Dump Truck and Transit Mixer submit LTO Certificate of Registration and valid Official Receipt; For owned barge/tugboat, submit Marina Certificate of Ownership and valid Cargo Ship Safety Certificate.

If the pledged equipment is leased/under purchased agreement, submit certification of availability of equipment from the equipment lessor/vendor for the duration of the project, and duly Notarized copy of leased contract/purchased agreement.

If the pledged barge/tugboat is leased/under purchase agreement, submit certification of availability of barge/tugboat from the equipment lessor/vendor for the duration of the project, and duly Notarized copy of leased contract/purchased agreement together with a copy of the Marina Certificate of Ownership and valid Cargo Ship Safety Certificate.

The Minimum Major Equipment Requirements are listed in Section 8, Annex 3.

\_\_\_\_\_  
Name of Firm  
  
Revised: August 2023

\_\_\_\_\_  
Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

\_\_\_\_\_  
Date

**Omnibus Sworn Statement for Sole Proprietorship**  
*[shall be submitted with the Bid]*

REPUBLIC OF THE PHILIPPINES )  
 CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.

**AFFIDAVIT**

I, \_\_\_\_\_, of legal age, [Civil Status], [Nationality], and residing at \_\_\_\_\_, after having been duly sworn in accordance with law, do hereby depose and state that:

1. I am the sole proprietor or authorized representative of \_\_\_\_\_ with office address at \_\_\_\_\_;
2. As the owner and sole proprietor, or authorized representative of \_\_\_\_\_, I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **Restoration of Port Facilities, Port of Lucena, Lucena City and Ports of Cawit and Sta. Cruz, Marinduque** of the Philippine Ports Authority, as shown in the attached duly notarized Special Power of Attorney;
3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;
4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
6. The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;
7. [Name of Bidder] complies with existing labor laws and standards; and
8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
  - a. Carefully examining all of the Bidding Documents;
  - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
  - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
  - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].

9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereunto set my hand this \_\_ day of \_\_, 20\_\_ at \_\_\_\_\_, Philippines.

---

Name of Bidder/ Authorized Representative  
(Signatory's Legal Capacity)  
AFFIANT

[Jurat]  
*[Format shall be based on the latest Rules on Notarial Practice]*

**Omnibus Sworn Statement for Partnership or Cooperative**  
*[shall be submitted with the Bid]*

---

REPUBLIC OF THE PHILIPPINES )  
CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.

**AFFIDAVIT**

I, \_\_\_\_\_, of legal age, [Civil Status], [Nationality], and residing at \_\_\_\_\_, after having been duly sworn in accordance with law, do hereby depose and state that:

1. I am the duly authorized and designated representative of \_\_\_\_\_ with office address at \_\_\_\_\_;
2. I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **Restoration of Port Facilities, Port of Lucena, Lucena City and Ports of Cawit and Sta. Cruz, Marinduque of the Philippine Ports Authority**, as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];
3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;
4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
6. None of the officers and members of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;
7. [Name of Bidder] complies with existing labor laws and standards; and
8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
  - a. Carefully examining all of the Bidding Documents;
  - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
  - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
  - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].



9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereunto set my hand this \_\_\_ day of \_\_\_, 20\_\_ at \_\_\_\_\_, Philippines.

\_\_\_\_\_  
Name of Bidder/ Authorized Representative  
(Signatory's Legal Capacity)  
AFFIANT

**[Jurat]**

*[Format shall be based on the latest Rules on Notarial Practice]*

**Omnibus Sworn Statement for Corporation or Joint Venture***[shall be submitted with the Bid]*

REPUBLIC OF THE PHILIPPINES )  
CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.

**AFFIDAVIT**

I, \_\_\_\_\_, of legal age, [Civil Status], [Nationality], and residing at \_\_\_\_\_, after having been duly sworn in accordance with law, do hereby depose and state that:

1. I am the duly authorized and designated representative of \_\_\_\_\_ with office address at \_\_\_\_\_;
2. I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **Restoration of Port Facilities, Port of Lucena, Lucena City and Ports of Cawit and Sta. Cruz, Marinduque**, as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];
3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;
4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
6. None of the officers, directors, and controlling stockholders of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;
7. [Name of Bidder] complies with existing labor laws and standards; and
8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
  - a. Carefully examining all of the Bidding Documents;
  - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
  - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
  - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].

9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereunto set my hand this \_\_ day of \_\_, 20\_\_ at \_\_\_\_\_, Philippines.

\_\_\_\_\_  
Name of Bidder/ Authorized Representative  
(Signatory’s Legal Capacity)  
AFFIANT

[Jurat]  
*[Format shall be based on the latest Rules on Notarial Practice]*

**Bid Securing Declaration Form**  
*[shall be submitted with the Bid if bidder opts to provide this form of bid security]*

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REPUBLIC OF THE PHILIPPINES)  
CITY OF \_\_\_\_\_) S.S.

**BID SECURING DECLARATION**  
Project Identification No.: \_\_\_\_\_

To: **Philippine Ports Authority**  
PPA Building, Bonifacio Drive,  
South Harbor, Port Area, Manila

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
  - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
  - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
  - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this \_\_\_\_ day of [month] [year] at [place of execution].

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Name of Bidder/ Authorized Representative  
(Signatory's Legal Capacity)  
**AFFIANT**

**[Jurat]**  
*[Format shall be based on the latest Rules on Notarial Practice]*

CONSTRUCTION METHODOLOGY

Name of Project : \_\_\_\_\_

Project Description : \_\_\_\_\_

Location : \_\_\_\_\_

MINIMUM SCOPE OF CONSTRUCTION METHODOLOGY

A. RESTORATION OF PORT FACILITIES, PORT OF LUCENA, LUCENA CITY

RESTORATION OF CONCRETE PAVEMENT

1. Demolish damaged concrete pavement (250mm thk.) including disposal  
(Area = 8,884.00 sq.m.);
2. Excavation, backfilling and compaction of existing materials  
(Volume = 2,666.00 cu.m.);
3. Supply and place gravel base course (50mm thk.) for correction  
(Volume = 445.00 cu.m.);
4. Supply and Place 4,500 psi Portland Cement Concrete Pavement, PCCP (300mm thk)  
(Area = 8,884.00 sq.m.);
5. Plastering of concrete gutter along port access road (Area = 616.50 sq.m.);
6. Application of thermoplastic paint for road markings (Area = 411.00 sq.m.); and
7. Restoration of damaged concrete cover for line ditch canal with steel grating  
(Length = 450.50 ln.m.)

RESTORATION OF ROOFING IN-BETWEEN PTBs 2 & 3

1. Installation of polycarbonate roofing with frame in-between PTBs 2 & 3  
(Area = 76.10 sq.m.)

RESTORATION OF WEATHER STRIPS ON SLIDING WINDOWS AT ADMIN BUILDING

1. Installation of weather strips on sliding windows  
(Length = 118.00 sq.m.)

**B. RESTORATION OF PORT FACILITIES, PORT OF CAWIT, BOAC, MARINDUQUE**

**REHABILITATION OF PASSENGER TERMINAL BUILDING**

1. Replacement of damaged ceiling panels (Area = 17.00 sq.m.);
2. Removed and replace damaged sliding windows (Area = 6.84 sq.m.);
3. Replacement of damaged roofing materials (Area = 18.00 sq.m.);
4. Replacement of damaged lighting fixtures (Lot = 1 lot);
5. Repainting of exterior wall (Area = 568.00 sq.m.)

**REHABILITATION OF TMO BUILDING**

1. Replacement of damaged roofing materials (Unit = 3 units);
2. Repainting of exterior wall (Area = 115.00 sq.m.)

**REHABILITATION OF WELCOME ARCH AND GATE**

1. Replacement of damaged aluminium composite panels and LED acrylic signages (Area = 41.00 sq.m.)

**REHABILITATION OF COVERED WALK**

1. Replacement of damaged rib-type curved roofing (Length = 5.00 ln.m.)

**C. RESTORATION OF PORT FACILITIES, PORT OF STA. CRUZ, MARINDUQUE**

**REHABILITATION OF PASSENGER TERMINAL BUILDING**

1. Replacement of damaged exterior ceiling (Area = 16.00 sq.m.);
2. Replacement of sliding door (Area = 4.23 sq.m.);
3. Replacement of damaged plumbing fixtures (Lot = 1 lot)

**REHABILITATION OF TMO BUILDING**

1. Replacement of damaged roofing materials (Area = 6.00 sq.m.);
2. Replacement of damaged ceiling materials (Area = 145.00 sq.m.);
3. Replacement of electrical fixtures including re-wiring (Lot = 1 lot);
4. Replacement of damaged screen door (Area = 1.89 sq.m.);
5. Repainting of exterior wall (Area = 188.00 sq.m.)

**REHABILITATION OF TICKETING BOOTH AND VENDORS STALLS**

1. Replacement of damaged roofing materials (Area = 30.00 sq.m.);
2. Replacement of damaged ceiling materials (Area = 112.00 sq.m.)

**REHABILITATION OF WELCOME ARCH**

1. Replacement of damaged aluminum composite panels (Area = 41.00 sq.m.);
2. Replacement of damaged acrylic signages and lighting fixtures (Lot = 1 lot)

**REHABILITATION OF COVERED WALK**

1. Replacement of damaged rib-type curved roofing (Length = 120.00 ln.m.)

**NOTES:**

The narrative construction method will guide and familiarize the contractor and the PPA on how the project shall be carried out in accordance with the highest standard of workmanship.

The construction method shall be consistent with the Bar Chart / S-Curve Schedule, Equipment Schedule and Manpower Schedule.

\_\_\_\_\_  
Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

Revised: August 2023

MANPOWER SCHEDULE

Name of Project : \_\_\_\_\_

Project Description : \_\_\_\_\_

Location : \_\_\_\_\_

MANPOWER (Minimum)	CONTRACT DURATION (_____ Calendar Days)																			
	M O N T H L Y																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Project Manager																				
Project Engineer																				
Materials Engineer II																				
Construction Safety and Health Officer																				
Foreman																				
Specify other applicable positions, ie.:																				
- Carpenter																				
- Steelman																				
- Mason																				
- Electrician																				
- Rigger																				
- Others																				

\_\_\_\_\_  
Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

Revised: August 2023



**Name of Project** : \_\_\_\_\_

**Project Description** : \_\_\_\_\_

**Location** : \_\_\_\_\_

[illegible]

Revised: August 2023

CASHFLOW BY QUARTER AND PAYMENT SCHEDULE

Name of Project: :

Project Description :

Location :

Project Duration (days or months)	Payment Schedule (Monthly, in Pesos)	Cash flow (Quarterly, in Pesos)
TOTAL		

NOTES

- The cash flow by quarter and payment schedule should be consistent with the Bar Chart and S-curb.
- Payment schedule shall not be more than once a month.

Name of Bidder/Authorized Representative  
(Signatory's Legal Capacity)

Revised: August 2023

## **Contract Agreement Form for the Procurement of Infrastructure Projects (Revised)**

*[not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]*

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### **CONTRACT AGREEMENT**

THIS AGREEMENT, made this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ between **Philippine Ports Authority** with principal office at PPA Building, Bonifacio Drive, South Harbor, Port Area, Manila (hereinafter called the "Entity") and **[name and address of Contractor]** (hereinafter called the "Contractor").

WHEREAS, the Entity is desirous that the Contractor execute **[name and identification number of contract]** (hereinafter called "the Works") and the Entity has accepted the Bid for **[contract price in words and figures in specified currency]** by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, viz.:

- a. Philippine Bidding Documents (PBDs);
  - i. Drawings/Plans;
  - ii. Specifications;
  - iii. Bill of Quantities;
  - iv. General and Special Conditions of Contract;
  - v. Supplemental or Bid Bulletins, if any;
- b. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (e.g., Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

- c. Performance Security;
- d. Notice of Award of Contract and the Bidder's conforme thereto; and

- e. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**
3. In consideration for the sum of [total contract price in words and figures] or such other sums as may be ascertained, [Named of the bidder] agrees to [state the object of the contract] in accordance with his/her/its Bid.
4. The **Philippine Ports Authority** agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

**JAY DANIEL R. SANTIAGO**  
General Manager

**Name of Bidder/ Authorized  
Representative**  
(Signatory's Legal Capacity)

for:

for:

**Philippine Ports Authority**

**Contractor**

#### **Acknowledgment**

*[Format shall be based on the latest Rules on Notarial Practice]*