

Pipe sleeves shall be installed and properly secured in place at all points where pipes passes through masonry or concrete. Pipe sleeves shall be uPVC pipe, Schedule 40.

8. Downspout

All downspouts shall be uPVC pipe class DWW conforming to ASTM D 2729 or ASTM D 1784 for sanitary pipes, Series 1000.

9. Floor and Urinal Drain

Floor drains shall be made of stainless steel non-tilting grate, perforated or slotted. Urinal drains shall be cast iron dome type drain.

10. Valves

Valves shall be cast bronze or brass body. Chrome plated finish for all fixture taps and faucets and natural finish for all others, like hose bibbs, gate valves and which are not tapped directly to a plumbing fixture. Concrete valve boxes shall be installed where required and will be of sufficient size for operating the valve.

11. Fixtures

a. Water Closets

All water closets for toilets as shown on the Drawings shall be TANK TYPE, white with complete fittings and mounting accessories.

b. Lavatories

b.1 Lavatory (Wall Hung)

Shall be vitreous china, wall hung lavatory with rear overflow holes fitting ledge suitable for single faucet holes on centers complete with faucet, standard fittings, trap and lavatory brackets and other accessories.

b.2 Lavatory (Countertop Lavatory)

Shall be vitreous china, oval or round shaped vessel counter lavatory with front overflow hole, complete with faucet, supply valve and fittings with P-trap. Fitting ledge suitable for single hole on center.

c. Urinals

c.1 Urinals for all comfort room in the guard house shall be built-in urinal trough as shown on the drawings.

c.2 Urinals shall be vitreous china, wall-hung washout urinal, flushing rim, integral trap, 19mm top and shall be provided with water saving flush system.

EXECUTION

All installation works shall be in conformity with the NPCP.

Plumbing fixtures shall be installed on locations as shown. Surface of fastening devices exposed after installation shall have the same finish as the attached accessory. Accessories shall be

protected until the installations are accepted. The fixtures shall be securely anchored and installed flushed with the finished walls, and shall completely concealed when the fixtures are installed.

Piping shall be installed as shown on the drawings, as recommended by the manufacturer and as directed during installation, straight and as direct as possible, forming right angles or parallel line with building walls and other pipes, and neatly spaced. Before being placed in position, pipes and fittings shall be cleaned carefully. All pipes shall be maintained in a clean condition.

All piping shall be properly supported or suspended on stands, clamps, hangers, or equivalent of approved design. Supports shall be installed in such a manner to permit pipe free expansion and contraction while minimizing vibration. Do not install pipes in a manner that interferes with other pipes, ducts, conduits equipment and adjacent structure of the building. All pipes shall be cut accurately to measurement and shall be worked into place without springing and forcing. Changes in pipe shall be made with reducing fittings. The position, arrangement and connection of pipes, fixtures, drains, valves and similar items indicated on the drawings shall be followed as closely as possible.

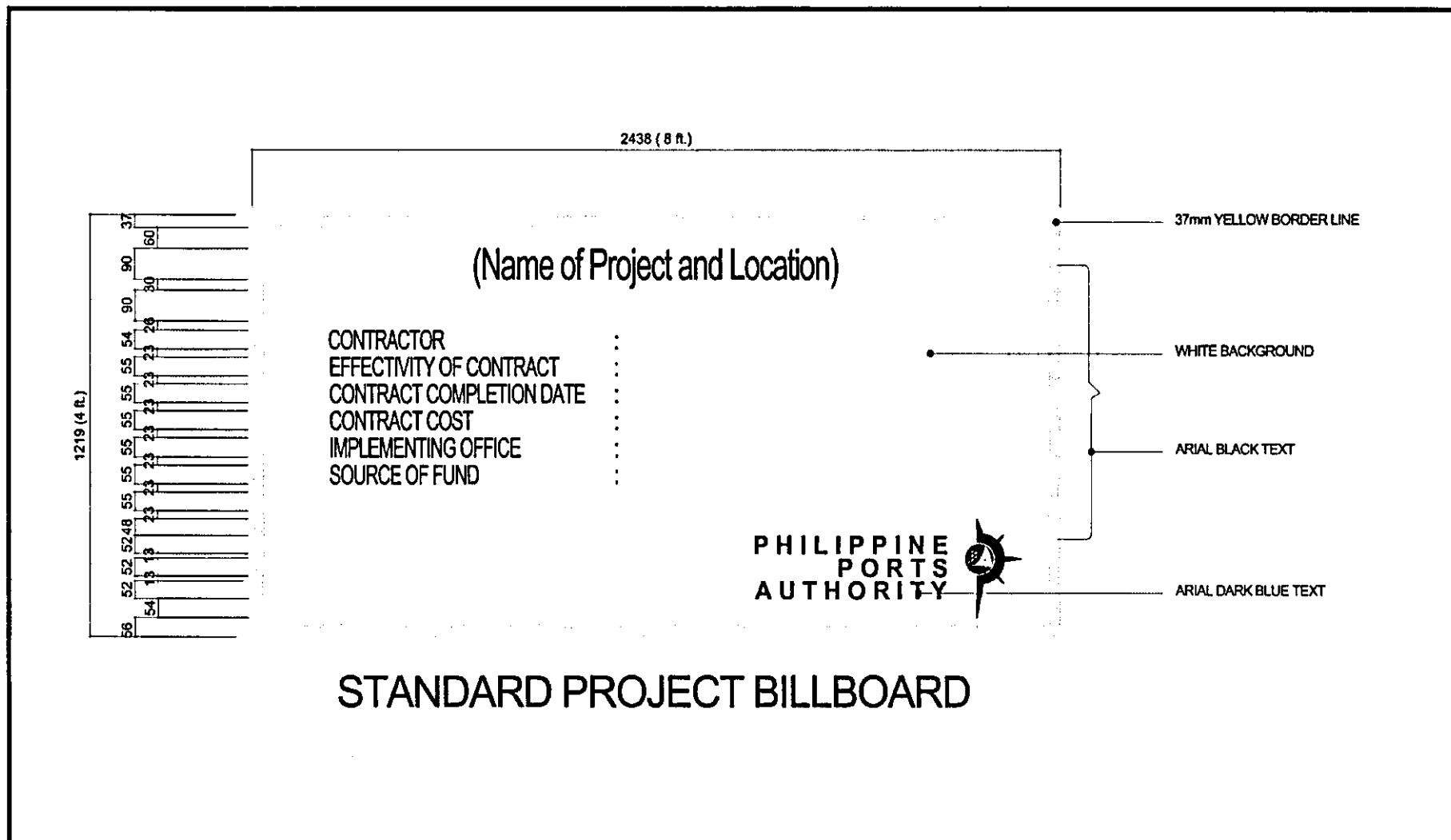
ITEM 10 : PROJECT BILLBOARD**SPECIFICATION**

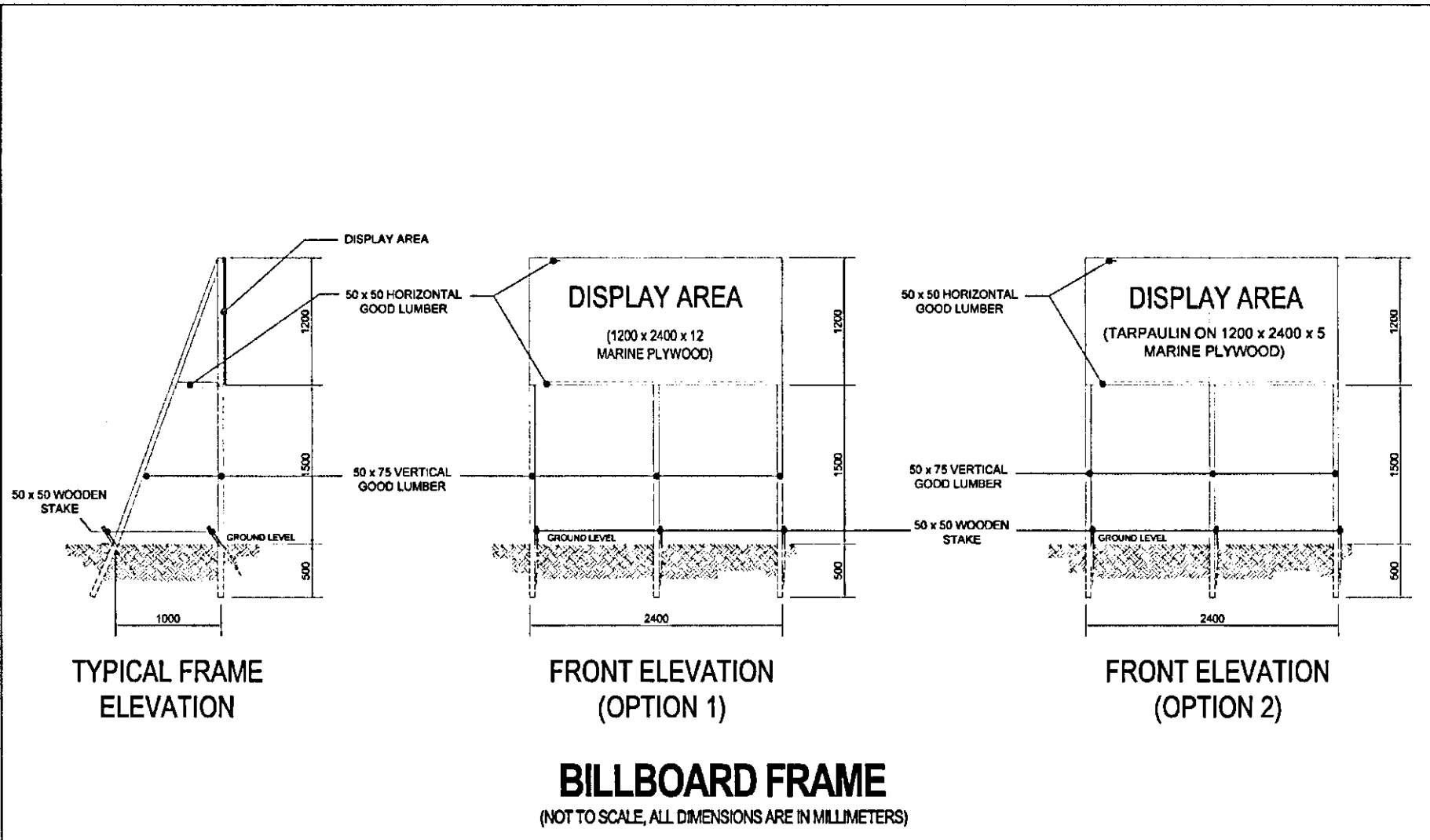
The Project Billboard shall be installed at location(s) designated by the Engineer.

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 11 : 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.

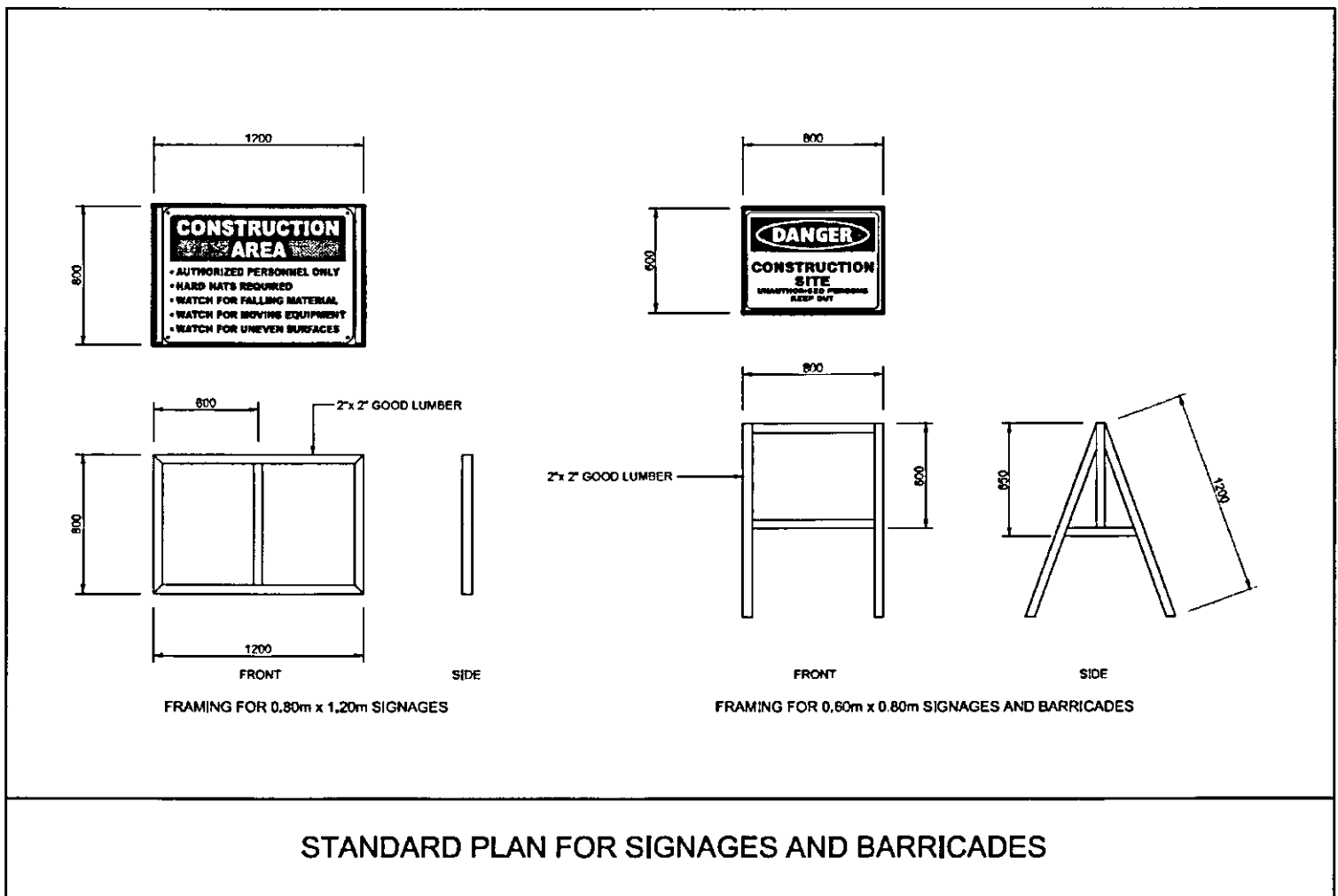
SPECIFICATION

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)

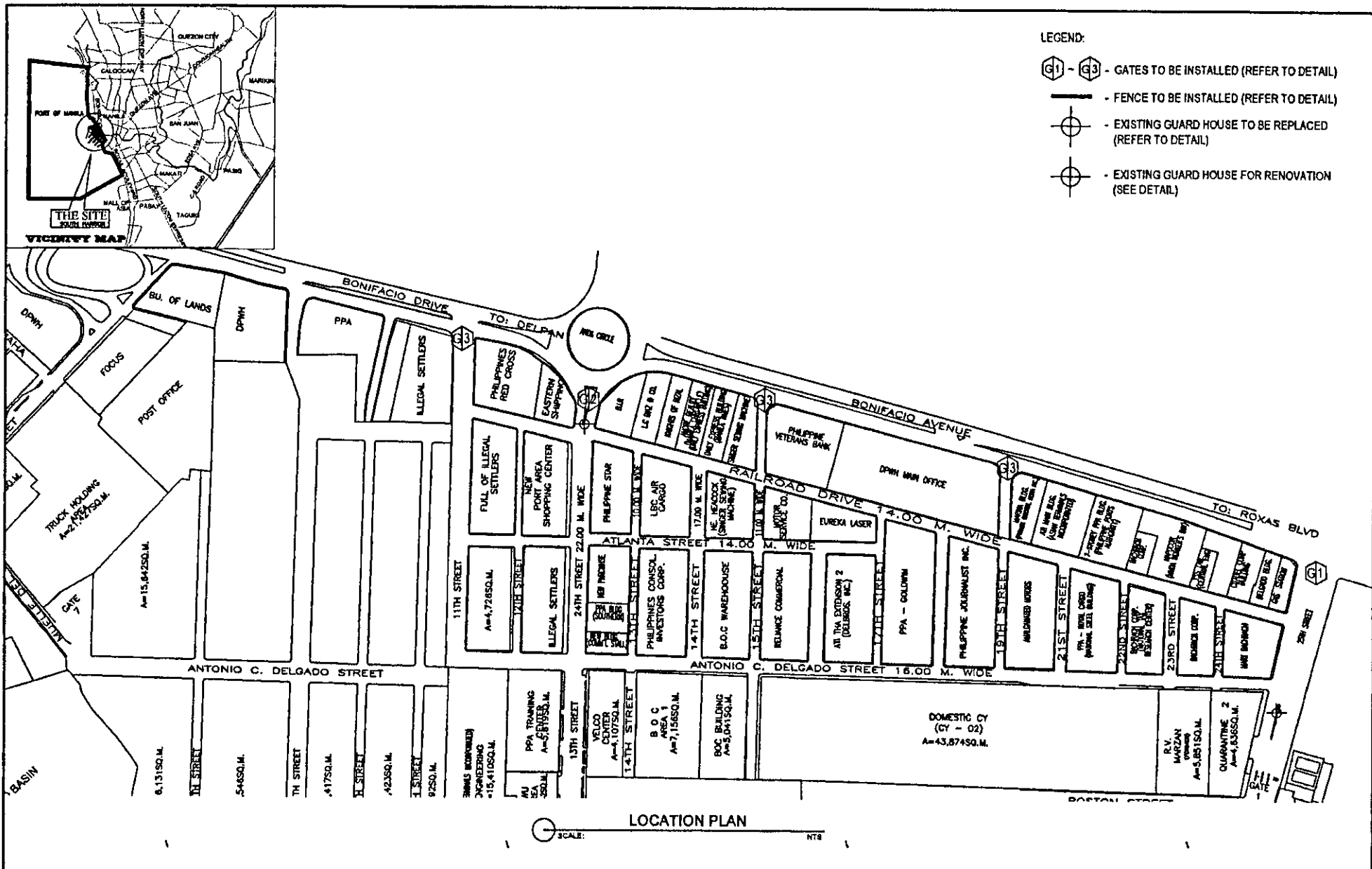
SECTION VII

DRAWINGS AND APPROVED PLANS

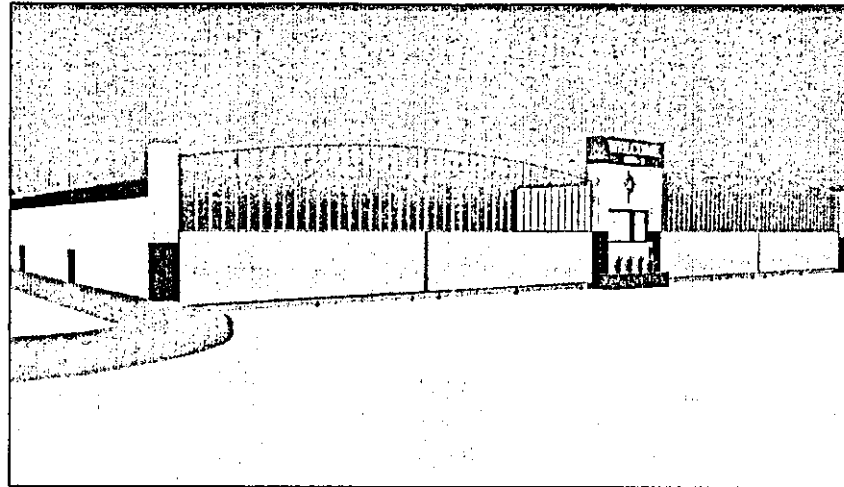
(SEE ISSUED APPROVED PLANS)

LIST OF DRAWINGS:

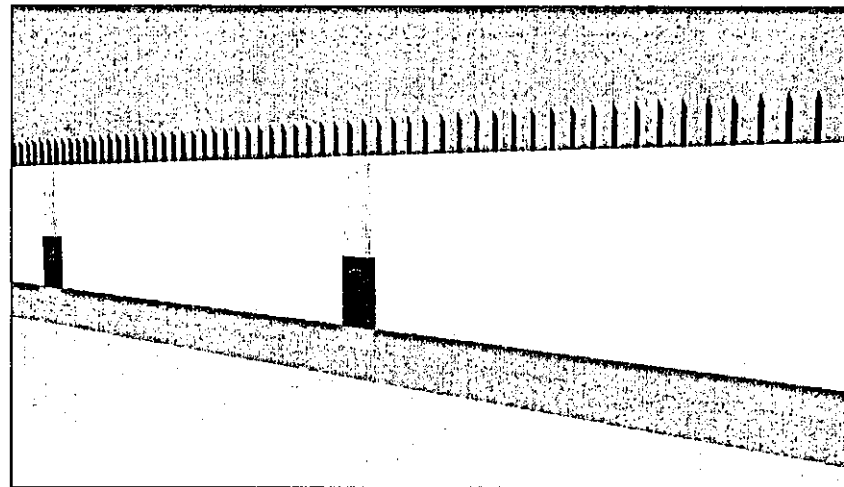
- 1 of 9 - Development Plan, Vicinity Map
- 2 of 9 - Perspective of Gate and Fence
- 3 of 9 - Gate, Signage and Logo Details
- 4 of 9 - Structural Details of Fence
- 5 of 9 - Gate Ground Lock and Barrel Bolt Detail
- 6 of 9 - Structural and Sanitary/Sewer Details of Guard House at 13th Street
- 7 of 9 - Renovation Details of Guard House at 25th Street
- 8 of 9 - Floor Plan and Elevation Details of Guard House at 25th Street
- 9 of 9 - Door, Window and Panel Schedule







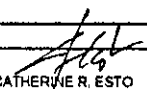
PROJECT TITLE: CONSTRUCTION OF SECURITY FENCE AND GATES ALONG BONIFACIO DRIVE AT SHEPZ SOUTH HARBOR, PORT AREA MANILA				
PREPARED BY:	REVIEWED AND CHECKED BY:	RECOMMENDED BY:	APPROVED BY:	SHEET NO.:
JESSIE G. BAMBALAN SUPERVISING ENGINEER A	JANE B. GALLETO ACTING PRINCIPAL ENGINEER	ARAPLO B. VILLAR MANAGER PLANO	CATHERINE R. ESTO ACTING PORT MANAGER, PMO NCR-South	9

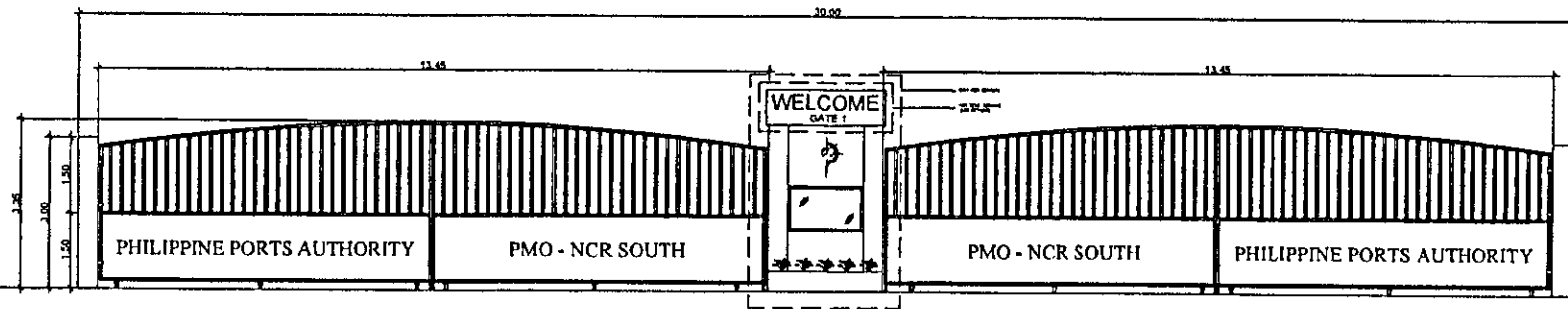


PERSPECTIVE OF GATE
SCALE: NTS

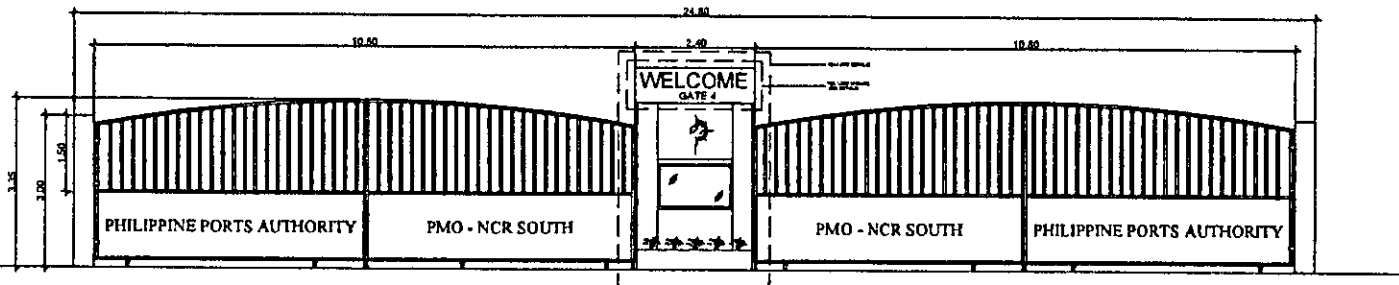


PERSPECTIVE OF FENCE
SCALE: NTS

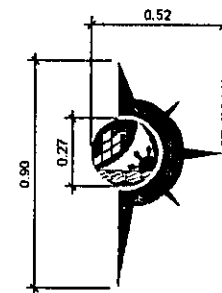
 REAL ESTATE MANAGEMENT DIVISION	PROJECT TITLE: CONSTRUCTION OF SECURITY FENCE AND GATES ALONG BONIFACIO DRIVE AT SHEPZ SOUTH HARBOR, PORT AREA MANILA				SHEET NO.: 2 9
	PREPARED BY:  JESSELYN A. BAMBALAN SUPERVISING ENGINEER A	REVIEWED AND CHECKED BY:  JANE E. GALLETO ACTING PRINCIPAL ENGINEER	RECOMMENDED BY:  ARNOLD B. VILLAGAS MANAGER (REM)	APPROVED BY:  CATHERINE R. ESTO ACTING PORT MANAGER, PMO NCR-South	



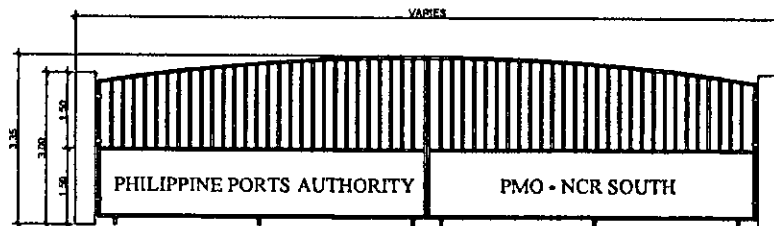
PROPOSED GATE AT 25TH STREET
SCALE: 1:100 mbs



PROPOSED GATE AT 13TH STREET
SCALE: 1:100 mbs





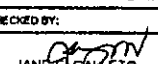

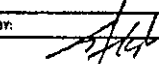
DETAIL OF PPA LOGO
SCALE: 1:30 mbs



TYPICAL GATE AT 11TH, 16TH & 20TH STREET
SCALE: 1:100 mbs



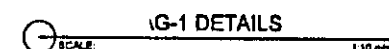
SIGNAGE DETAIL
SCALE: 1:30 mbs

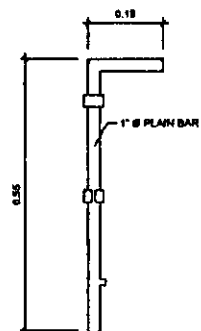
 REAL ESTATE MANAGEMENT DIVISION	PROJECT TITLE: CONSTRUCTION OF SECURITY FENCE AND GATES ALONG BONIFACIO DRIVE AT SHEPZ SOUTH HARBOR, PORT AREA MANILA PREPARED BY:  JESSHE D. BAMBIL SUPERVISING ENGINEER A	REVIEWED AND CHECKED BY:  JANE E. GALLETO ACTING PRINCIPAL ENGINEER	RECOMMENDED BY:  MARK A. VIDELAS MANAGER, RMD	APPROVED BY:  CATHERINE R. ESTO ACTING PORT MANAGER, PMO NCR-South	SHEET NO.: 3 9
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BB-1 DETAILS

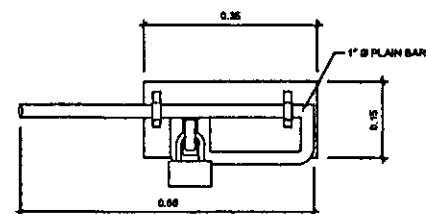
SCALE: 1:10





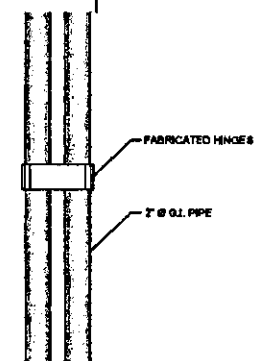
GROUND LOCK DETAIL

SCALE: 1:10 ratio



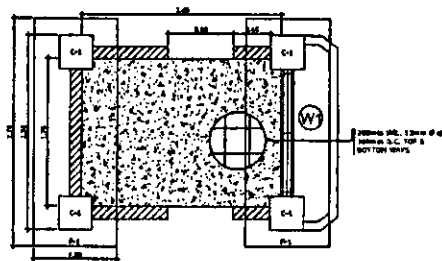
BARREL BOLT DETAIL

SCALE: 1:10 mm



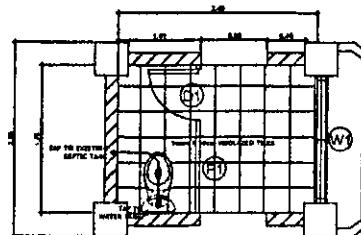
LEGEND:

— COLD WATER LINE
 — WASTE WATER LINE
 WC - WATER CLOSET



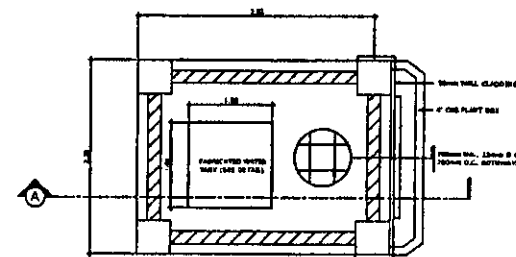
GUARD HOUSE FLOOR PLAN

SCALE: 1:40 mbs



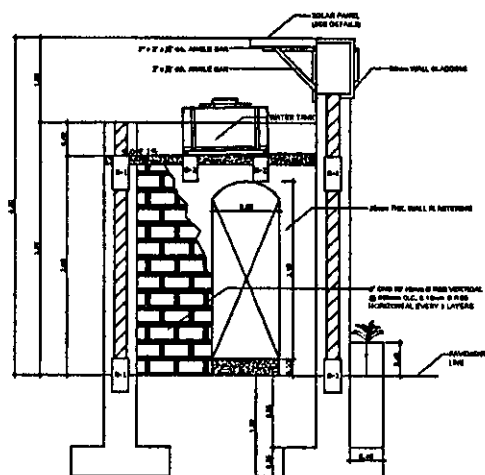
SANITARY & COLD WATER LINE

SCALE: 1:40 mbs



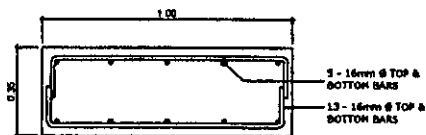
SLAB DETAIL

SCALE: 1:40 mbs



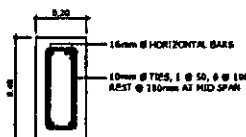
DETAILED SECTION

SCALE: 1:50 mbs



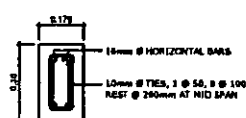
FOOTING DETAIL

SCALE: 1:20 mbs



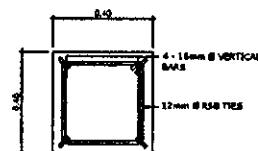
DETAIL B-1

SCALE: 1:20 mbs



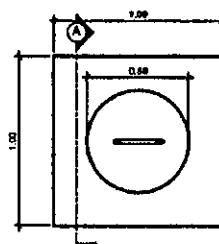
DETAIL B-2

SCALE: 1:20 mbs



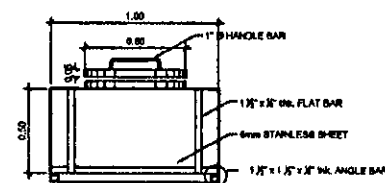
DETAIL C-1

SCALE: 1:20 mbs



FABRICATED WATER TANK

SCALE: 1:30 mbs



SECTION THRU - A

SCALE: 1:30 mbs

REPLACEMENT OF GUARD HOUSE AT 13TH STREET

AS SHOWN

REAL ESTATE MANAGEMENT DIVISION

PROJECT TITLE: CONSTRUCTION OF SECURITY FENCE AND GATES ALONG BONIFACIO DRIVE AT SHEPZ SOUTH HARBOR, PORT AREA MANILA

PREPARED BY:
 JESSIE B. BAMBALAN
 SUPERVISING ENGINEER A

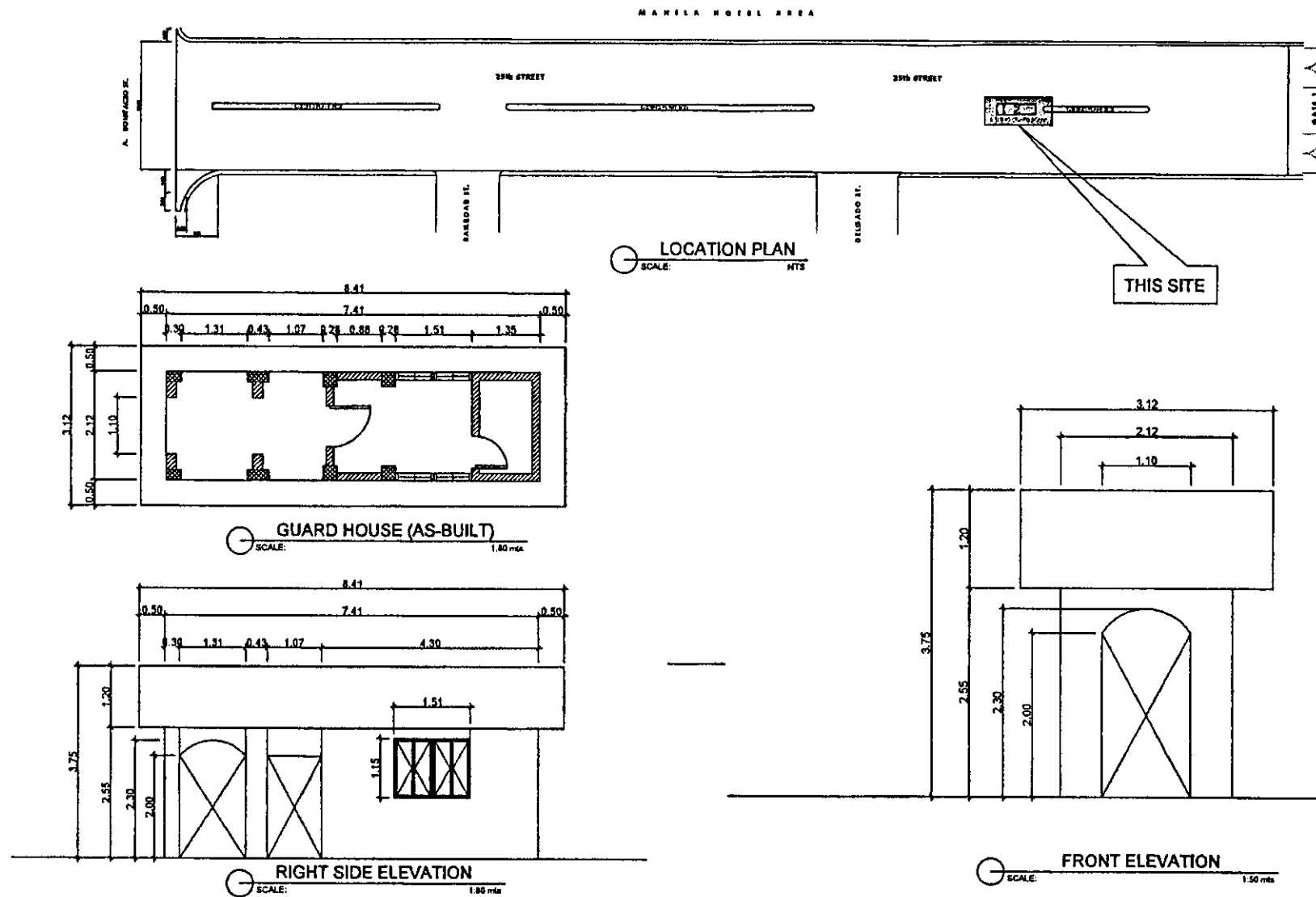
REVIEWED AND CHECKED BY:
 JANIE B. GALLETO
 ACTING PRINCIPAL ENGINEER






RECOMMENDED BY:
 ARNOLD B. VILLEGAS
 MANAGER/TEAM

APPROVED BY:
 CATHERINE R. ESTO
 ACTING PORT MANAGER, PMO NCR-South

SHEET NO.:

6
 8



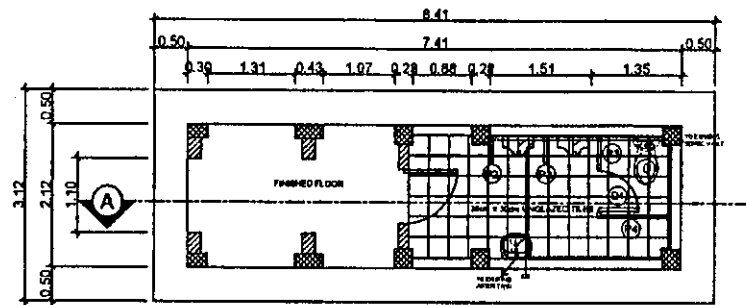
 REAL ESTATE MANAGEMENT DIVISION	PROJECT TITLE: CONSTRUCTION OF SECURITY FENCE AND GATES ALONG BONIFACIO DRIVE AT SHEPZ SOUTH HARBOR, PORT AREA MANILA				
	PREPARED BY:  JESSY M. G. BAMBALAN SUPERVISING ENGINEER A	REVIEWED AND CHECKED BY:  JANE E. GALLETO ACTING PRINCIPAL ENGINEER	RECOMMENDED BY:  ARNOLD B. MOLEGAS MANAGER, REMD	APPROVED BY:  CATHERINE R. ESTO ACTING PORT MANAGER, PMO NCR-South	SHEET NO.: 7 9

LEGEND:

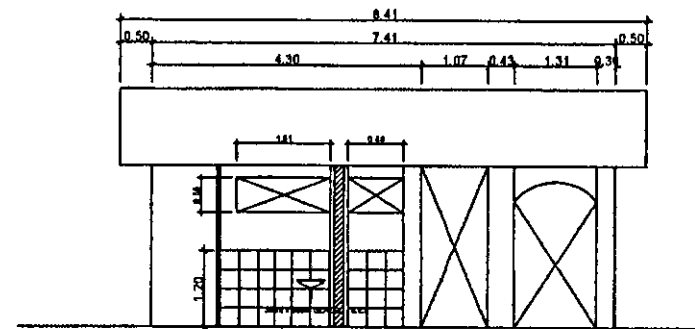
--- COLD WATER LINE
 --- WASTE WATER LINE
 WC - WATER CLOSET
 UR - URINAL
 LAV - LAVATORY
 F - FAUCET
 CO - CLEAN OUT

PAINTING SCHEDULE :

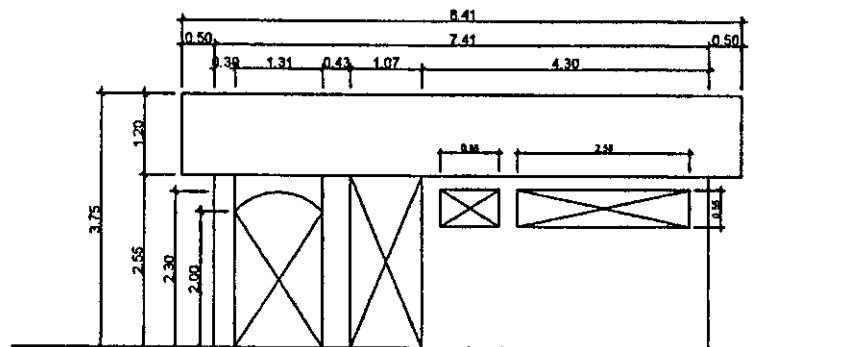
SURFACE TYPE	SURFACE PREPARATION	PRIMER	TOP COAT (2 COATS)
PLAIN CONCRETE	MASONRY PUTTY (SPOT ONLY) & CONCRETE NEUTRALIZER	BOYSEN FLAT LATEX PAINT IN DESIRED COLOR or APPROVED EQUIVALENT	BOYSEN PERMACOAT SEMI-GLOSS LATEX IN DESIRED COLOR or APPROVED EQUIVALENT



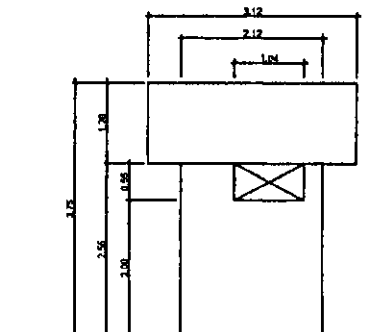
GUARD HOUSE FLOOR PLAN
 SCALE: 1:75 mts



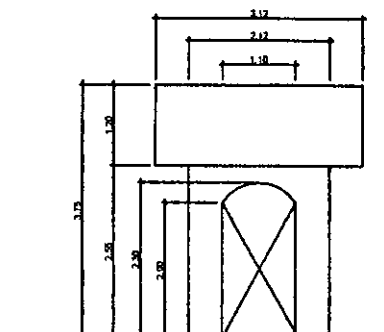
SECTION THRU - A
 SCALE: 1:75 mts



RIGHT SIDE ELEVATION
 SCALE: 1:75 mts



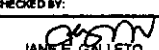

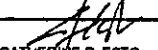


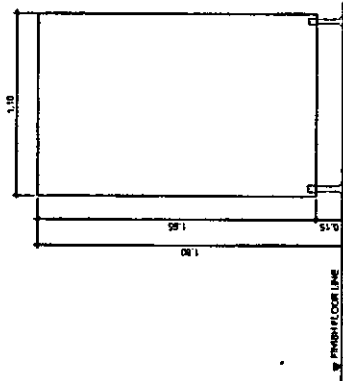
REAR ELEVATION
 SCALE: 1:75 mts



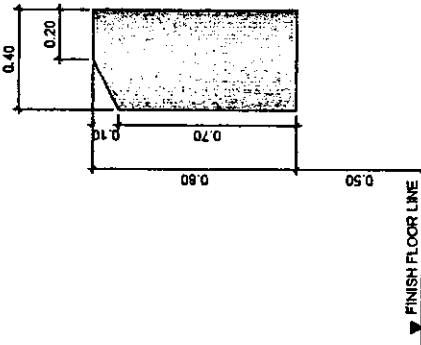
FRONT ELEVATION
 SCALE: 1:75 mts

RENOVATION OF EXISTING GUARD HOUSE AT 25TH STREET

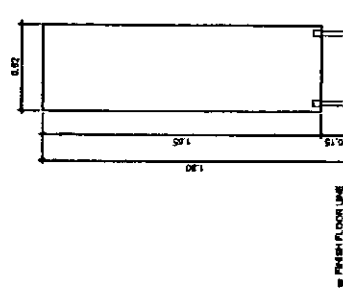
 REAL ESTATE MANAGEMENT DIVISION	PROJECT TITLE: CONSTRUCTION OF SECURITY FENCE AND GATES ALONG BONIFACIO DRIVE AT SHEPZ SOUTH HARBOR, PORT AREA MANILA	PREPARED BY:  JESSIEL G. BAMBALAN SUPERVISING ENGINEER A	REVIEWED AND CHECKED BY:  JANICE E. GALLETO ACTING PRINCIPAL ENGINEER	RECOMMENDED BY:  ARNOLD B. VALLES MANAGER REMD	APPROVED BY:  CATHERINE R. ESTO ACTING PORT MANAGER, PWD NCR-6 mwh	SHEET NO.: 8 / 9
--	---	--	---	--	--	---------------------



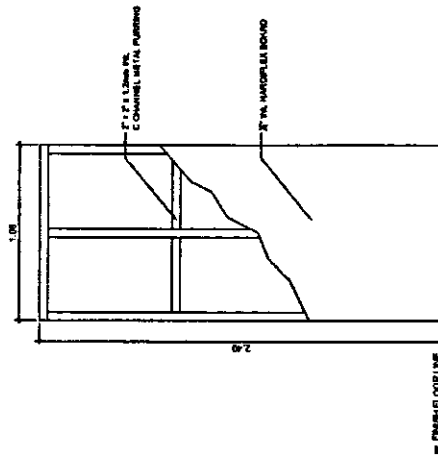
TYPE	P-1 (1 set)
DESCRIPTION	12mm THK. PHENOLIC ANTI-BACTERIAL WATER PROOF TOILET PARTITION W/ BACK TO BACK HPL COLOR



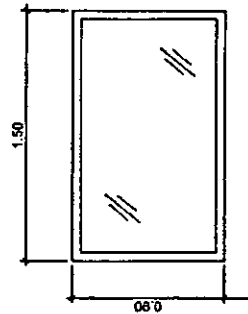
TYPE	P-2 (2 sets)
DESCRIPTION	12mm THK. PHENOLIC ANTI-BACTERIAL WATER PROOF TOILET PARTITION W/ BACK TO BACK HPL COLOR



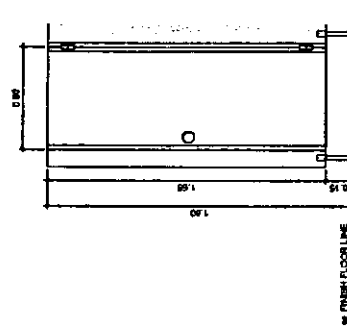
TYPE	P-3 (1 set)
DESCRIPTION	12mm THK. PHENOLIC ANTI-BACTERIAL WATER PROOF TOILET PARTITION W/ BACK TO BACK HPL COLOR



TYPE	P-4 (1 SET)
DESCRIPTION	12mm THK. PHENOLIC ANTI-BACTERIAL WATER PROOF TOILET PARTITION W/ BACK TO BACK HPL COLOR




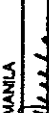


FIXED GLASS WINDOW (3 SETS)
SCALE: 1:50



TYPE	D-1 (2 SETS)
DESCRIPTION	12mm THK. PHENOLIC ANTI-BACTERIAL WATER PROOF TOILET PARTITION W/ BACK TO BACK HPL COLOR INCLUDES: HINGES, LOCK INDICATOR, BOTTOM SUPPORT, DOOR KNOB & COAK HOOK

DOOR, WINDOW & PANEL SCHEDULE
SCALE: 1:50

PROJECT TITLE: CONSTRUCTION OF SECURITY FENCE AND GATES ALONG BONIFACIO DRIVE AT SHEPZ SOUTH HARBOR, PORT AREA MANILA		APPROVED BY: 	SHEET NO.: 9
PREPARED BY: 	REVIEWED AND CHECKED BY: 	CATHERINE R. ESTO ACTING PORT MANAGER AND INCHARGE	9
JESTER B. BALMONTE SUPERVISING ENGINEER A		MANAGED BY: 	
REAL ESTATE MANAGEMENT DIVISION			

SECTION VIII

BILL OF QUANTITIES
and
ATTACHMENTS

BID SUMMARY
CONSTRUCTION OF SECURITY FENCE AND GATES ALONG BONIFACIO DRIVE
 South Harbor Expanded Port Zone (SHEPZ), South Harbor, Port Area, Manila

NO.	DESCRIPTION OF WORK	AMOUNT (Pesos)
BLL NO. 1	GENERAL EXPENSES	
BLL NO. 2	DEMOLITION/REMOVAL WORKS	
BLL NO. 3	CONSTRUCTION OF STEEL GATE	
BLL NO. 4	CONSTRUCTION OF CHB WALL FENCE	
BLL NO. 5	CONSTRUCTION OF STEEL GATE WITH GUARD OUTPOST	
BLL NO. 6	PAINT WORKS	
BLL NO. 7	CONSTRUCTION OF GUARD OUTPOST	
BLL NO. 8	RENOVATION OF EXISTING GUARDHOUSE	
TOTAL BID PRICE		

 Name of Firm

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

 Date

BILL OF QUANTITIES
CONSTRUCTION OF SECURITY FENCE AND GATES ALONG BONIFACIO DRIVE
 South Harbor Expanded Port Zone (SHEPZ), South Harbor, Port Area, Manila



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 1	GENERAL EXPENSES				
1.01	Mobilization/Demobilization.	lot	1.00		
1.02	Provide construction safety and Health Program in the execution of the project	lot	1.00		
TOTAL FOR BILL NO. 1					

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

BILL OF QUANTITIES
CONSTRUCTION OF SECURITY FENCE AND GATES ALONG BONIFACIO DRIVE
 South Harbor Expanded Port Zone (SHEPZ), South Harbor, Port Area, Manila



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 2	DEMOLITION/REMOVAL WORKS				
2.01	Demolition and removal works	l.m.	1,382.33		
2.02	Hauling and Disposal Works	lot	1.00		
TOTAL FOR BILL NO. 2					

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

BILL OF QUANTITIES
CONSTRUCTION OF SECURITY FENCE AND GATES ALONG BONIFACIO DRIVE
 South Harbor Expanded Port Zone (SHEPZ), South Harbor, Port Area, Manila



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 3	CONSTRUCTION OF STEEL GATE				
3.01	Excavation	cu.m.	29.60		
3.02	Supply, spread and compact base course	cu.m.	0.90		
3.03	Supply and install reinforcements	kgs	873.20		
3.04	Supply and place 3,500 psi concrete	cu.m.	10.08		
3.05	Supply and install fabricated steel gate	kgs.	47,695.09		
TOTAL FOR BILL NO. 3					

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

BILL OF QUANTITIES
CONSTRUCTION OF SECURITY FENCE AND GATES ALONG BONIFACIO DRIVE
 South Harbor Expanded Port Zone (SHEPZ), South Harbor, Port Area, Manila



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 4	CONSTRUCTION OF CHB WALL FENCE				
4.01	Excavation	cu.m.	615.51		
4.02	Supply, spread and compact base course	cu.m.	14.98		
4.03	Supply and install reinforcements	kgs	46,875.86		
4.04	Supply and place 3,500 psi concrete	cu.m.	828.34		
4.05	Supply and install fabricated steel fence	kgs.	25,230.75		
4.06	Construct 150mm thick CHB wall	sq.m.	2,251.44		
TOTAL FOR BILL NO. 4					

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

BILL OF QUANTITIES
CONSTRUCTION OF SECURITY FENCE AND GATES ALONG BONIFACIO DRIVE
 South Harbor Expanded Port Zone (SHEPZ), South Harbor, Port Area, Manila



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 5	CONSTRUCTION OF STEEL GATE WITH GUARD OUTPOST				
5.01	Excavation	cu.m.	11.84		
5.02	Supply, spread and compact base course	cu.m.	6.16		
5.03	Supply and install reinforcements	kgs	319.16		
5.04	Supply and place 3,500 psi concrete	cu.m.	3.65		
5.05	Supply and install fabricated steel gate	kgs.	32,497.98		
TOTAL FOR BILL NO. 5					

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

BILL OF QUANTITIES
CONSTRUCTION OF SECURITY FENCE AND GATES ALONG BONIFACIO DRIVE
 South Harbor Expanded Port Zone (SHEPZ), South Harbor, Port Area, Manila



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 6	PAINT WORKS				
6.01	Supply and apply paint for CHB wall (2-coats)	sq.m.	7,899.00		
6.02	Supply and apply paint for metal surface (2-coats)	sq.m.	1,012.09		
TOTAL FOR BILL NO. 6					

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

BILL OF QUANTITIES
CONSTRUCTION OF SECURITY FENCE AND GATES ALONG BONIFACIO DRIVE
 South Harbor Expanded Port Zone (SHEPZ), South Harbor, Port Area, Manila



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 7	CONSTRUCTION OF GUARD OUTPOST				
7.01	Concrete cutting and breaking	sq.m.	28.27		
7.02	Demolition and removal works	sq.m.	7.50		
7.03	Excavation	cu.m.	17.26		
7.04	Supply, spread and compact base course	cu.m.	0.68		
7.05	Supply and install reinforcements	kgs.	6,484.96		
7.06	Supply and place 3,500 psi concrete	cu.m.	13.06		
7.07	Construct 150mm thick CHB wall	sq.m.	46.32		
7.08	Supply and install fabricated aluminum framed glass windows, toilet partition and door	sets	4.00		
7.09	Supply and install PPA logo and signages including accessories	sq.m.	4.06		
7.10	Supply and install electrical works	lot	1.00		

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

BILL OF QUANTITIES
CONSTRUCTION OF SECURITY FENCE AND GATES ALONG BONIFACIO DRIVE
South Harbor Expanded Port Zone (SHEPZ), South Harbor, Port Area, Manila



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
7.11	Supply and install plumbing works	lot	1.00		
7.12	Supply, deliver and install plumbing fixtures	lot	1.00		
7.13	Supply and install tile works (floor finishes)	sq.m.	12.97		
7.14	Supply and install painting works (wall finishes)	sq.m.	92.64		
TOTAL FOR BILL NO. 7					

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

BILL OF QUANTITIES
CONSTRUCTION OF SECURITY FENCE AND GATES ALONG BONIFACIO DRIVE
 South Harbor Expanded Port Zone (SHEPZ), South Harbor, Port Area, Manila



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 8	RENOVATION OF EXISTING GUARDHOUSE				
8.01	Concrete cutting and breaking	sq.m.	3.31		
8.02	Construct 100mm thick CHB	sq.m.	2.90		
8.03	Supply and install plumbing works	lot	1.00		
8.04	Supply, deliver and install plumbing fixtures	set/s	4.00		
8.05	Supply and install dry wall partition	lot	1.00		
8.06	Supply and install tile works (floor finishes)	sq.m.	17.81		
8.07	Supply and install painting works (wall finishes)	sq.m.	172.95		
TOTAL FOR BILL NO. 8					

 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 Provide construction safety and Health Program in the execution of the project

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**DEMOLITION AND REMOVAL WORKS****Item 2.01 Demolition and removal works**

The quantity to be paid for shall be the actual length in linear meter of existing fence and gate removed including disposal and turnover of recovered materials with value to PPA authority 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 Hauling and disposal works

The quantity to be paid for shall be the actual volume in cubic meter of existing unusable materials from the exaction of fence 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**CONSTRUCTION OF STEEL GATE****Item 3.01 Excavation**

The quantity to be paid for shall be the actual volume in cubic meter of existing fill to be excavated 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 Supply, spread and compact base course

The quantity to be paid for shall be the actual volume in cubic meter of aggregate base course to be supplied, spread and compacted in accordance with the plans and specifications, and accepted by the Engineers. 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 Supply and install reinforcements

The quantity to be paid for shall be the actual weight in kilogram of steel reinforcements to be supplied and installed for the column and column footing for the steel 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 Supply and place 3,500 psi concrete

The quantity to be paid for shall be the actual volume in cubic meter of 3,500 psi concrete to be supplied and set-in-place for the column and column footing for the steel 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 3.05 Supply and install fabricated steel gate

The quantity to be paid for shall be the actual weight in kilogram of steel/metal materials to be supplied, fabricated to gate 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. 4**CONSTRUCTION OF CHB WALL FENCE****Item 4.01 Excavation**

The quantity to be paid for shall be the actual volume in cubic meter of existing fill to be excavated 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 Supply, spread and compact base course

The quantity to be paid for shall be the actual volume in cubic meters of aggregate base course to be supplied, spread and compacted in accordance with the plans and specifications, and accepted by the Engineers. 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 Supply and install reinforcements

The quantity to be paid for shall be the actual weight in kilogram of steel reinforcements to be supplied and installed for the CHB wall fence (column and column footing) 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 Supply and place 3,500 psi concrete

The quantity to be paid for shall be the actual volume in cubic meter of 3,500 psi concrete to be supplied and set-in-place for CHB wall fence (column and column footing) 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 Supply and install fabricated steel fence

The quantity to be paid for shall be the actual weight in kilogram of steel/metal materials to be supplied, fabricated to steel fence 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.

Item 4.06 Construct 150mm thick CHB wall

The quantity to be paid for shall be the actual area in square meter of 150mm thick CHB wall constructed 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. 5

CONSTRUCTION OF STEEL GATE WITH GUARD OUTPOST

Item 5.01 Excavation

The quantity to be paid for shall be the actual volume in cubic meter of existing fill to be excavated 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 5.02 Supply, spread and compact base course

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

Attachments

Item 5.03 Supply and install reinforcements

The quantity to be paid for shall be the actual weight in kilogram of steel reinforcements to be supplied and installed for the structural concrete components of steel gate and guard outpost 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 5.04 Supply and place 3,500 psi concrete for superstructure

The quantity to be paid for shall be the actual volume in cubic meter of 3,500 psi concrete to be supplied and set-in-place for structural concrete components of steel gate and guard outpost 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 5.05 Supply and install fabricated steel fence

The quantity to be paid for shall be the actual weight in kilogram of steel/metal materials to be supplied, fabricated to steel fence 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. 6**PAINTING WORKS****Item 6.01 Supply and apply paint for CHB wall (2-coats)**

The quantity to be paid for shall be the actual area in square meter of paint for CHB surfaces (2-coats), supplied and applied 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 6.02 Supply and apply paint for metal surfaces (2-coats)

The quantity to be paid for shall be the actual area in square meter of paint for metal surfaces (2-coats), supplied and applied 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. 7**CONSTRUCTION OF GUARD OUTPOST****Item 7.01 Concrete cutting and breaking**

The quantity to be paid for shall be the actual area in square meter of concrete to be cut and break including hauling of debris and waste for disposal to the nearest dump site 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 7.02 Demolition and removal works

The quantity to be paid for shall be the actual area in square meter of existing guard house to be removed including disposal and turnover of recovered materials with value to PPA authority 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 7.03 Excavation

The quantity to be paid for shall be the actual volume in cubic meter of existing fill to be excavated 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 7.04 Supply, spread and compact base course

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

Item 7.05 Supply and install reinforcements

The quantity to be paid for shall be the actual weight in kilogram of steel reinforcements to be supplied and installed for the superstructure 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 7.06 Supply and place 3,500 psi concrete

The quantity to be paid for shall be the actual volume in cubic meter of 3,500 psi concrete to be supplied and set-in-place for superstructure 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 7.07 Construct 150mm thick CHB wall

The quantity to be paid for shall be the actual area in square meter of 150mm thick CHB wall constructed 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 7.08 Supply and install fabricated aluminum framed glass windows, toilet partition and door

The quantity to be paid for shall be the actual lot of fabricated aluminum framed glass windows, toilet partition and door including accessories to be 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.

Item 7.09 Supply and install PPA logo and signages including accessories

The quantity to be paid for shall be the actual lot of PPA signages including accessories to be 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.

Item 7.10 Supply and install electrical works

The quantity to be paid for shall be the actual lot of electrical works to be 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.

Item 7.11 Supply and install plumbing works

The quantity to be paid for shall be the actual lot of plumbing works to be 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.

Item 7.12 Supply, deliver and install plumbing fixtures

The quantity to be paid for shall be the actual lot of plumbing fixtures to be supplied, delivered 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.

Item 7.13 Supply and install tile works (floor finishes)

The quantity to be paid for shall be the actual area in square meters of tiles to be supplied, delivered, 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.

Item 7.14 Supply and install painting works (wall finishes)

The quantity to be paid for shall be the actual area in square meters of paint to be supplied, delivered, 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. 8**RENOVATION OF EXISTING GUARDHOUSE****Item 8.01 Concrete cutting and breaking**

The quantity to be paid for shall be the actual area in square meter of concrete to be cut and break including hauling of debris and waste for disposal to the nearest dump site 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 8.02 Construct 100mm thick CHB wall

The quantity to be paid for shall be the actual area in square meter of 100mm thick CHB wall constructed 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 8.03 Supply and install plumbing works

The quantity to be paid for shall be the actual lot of plumbing works to be 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.

Item 8.04 Supply, deliver and install plumbing fixtures

The quantity to be paid for shall be the actual lot of plumbing fixtures to be supplied, delivered 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.

Item 8.05 Supply and install dry wall partition

The quantity to be paid for shall be the actual area in square meters of dry wall partition, 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.

Item 8.06 Supply and install tile works (floor finishes)

The quantity to be paid for shall be the actual area in square meters of tiles to be supplied, delivered, 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.

Item 8.07 Supply and install painting works (wall finishes)

The quantity to be paid for shall be the actual area in square meters of paint to be supplied, delivered, 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.

MINIMUM MAJOR EQUIPMENT REQUIREMENTS

1	unit/s	Elf truck (2-ton)	Owned/Leased
1	unit/s	Tamping rammer	Owned/Leased
1	unit/s	Bar cutter (16mm dia., min.)	Owned/Leased
1	unit/s	Bar bender (16mm dia., min.)	Owned/Leased
1	unit/s	One bagger concrete mixer	Owned/Leased
1	unit/s	Concrete vibrator (1" shaft w/ 3.5 hp)	Owned/Leased
1	unit/s	Water pump (output discharge 2,667 lpm, 16 hp)	Owned/Leased
1	unit/s	Oxy-acetylene cutting outfit	Owned/Leased
1	unit/s	Speed cutting machine	Owned/Leased
1	unit/s	Welding Machine 500 Amp (Gas driven)	Owned/Leased
1	unit/s	Electric grinder	Owned/Leased
1	unit/s	Electric Jack Hammer	Owned/Leased
1	unit/s	Electric Drill	Owned/Leased
1	unit/s	Concrete cutter, 5hp	Owned/Leased
1	unit/s	Air comp. w/ 1 breaker ,125 CFM	Owned/Leased
1	unit/s	Tile cutter	Owned/Leased
1	unit/s	Dump truck (6.88-9.17 cu.m. cap.)	Owned/Leased
1	unit/s	Backhoe (0.50 cu.m., 94.3Hp) w/ Breaker	Owned/Leased

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

1	lot	Personnel Protective Equipment
		Hard Hats
		Gloves (rubberized)
		Safety Glasses/Goggles (clear)
		Long sleeve T-shirt
		Aprons
		Safety Belts
		Safety Shoes

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.

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

<i>Materials/Items of Work</i>	<i>Required Tests</i>	<i>Minimum Incremental Frequency of Tests</i>
I. Construction of Pier/Wharf, Platform and Ramp		
Structural Concrete (SC)		
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	Mil 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
Piling (P)		
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

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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"> - Under 14" (355 60mm) Outside Diameter - 14" to 36" (355 6 to 914mm) Outside Dia - Over 36" (914mm) Outside Diameter 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

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Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
Mooring Bollard (MB) and Accessories (Hexagon Nuts, Plain Washer, Anchor Ring and Anchor Bolt)	Physical Test Quality Test for Chemical Composition and Mechanical Properties	All Units One per fabrication
II. Construction of Back-Up Area, Causeway and Pavement Sheet Piling (SP)		
A Concrete Sheet Piles		
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 Strands	Same test as for P (A 3)	Same frequency as P (A 3)
4 Fine Aggregates	Same test as for SC (B)	Same frequency as SC (B)
5 Coarse Aggregates	Same Test as for SC (C)	Same frequency as SC (C)
B Steel Pipe Piles		
1 Steel	Same test as for P (B1)	Same frequency as P (B1)
2 Concrete	Same test as for SC (F)	Same frequency as SC (F)
3 Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)
4 Steel Bars	Same test as for SC (E)	Same frequency as SC (E)

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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	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 Steel Bars (Dowels)	Same test as for SC (E)	Same frequency as SC (E)
F Joint Filler	Quality Test	One (1) per shipment

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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/Learn 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)

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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

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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

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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

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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
PLUMBING WORKS		
Pipes	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item

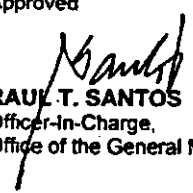
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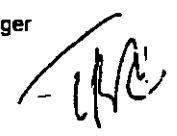
Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
Fixtures	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Pipe Culverts	Compression Strength Inspection and Evaluation Report from the Engineer	For every size not more than 25 pipes cast in the field
IV Miscellaneous Materials 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: **Construction of Security Fence and Gates along Bonifacio Drive, South Harbor Expanded Port Zone (SHEPZ), South Harbor, Port Area, Manila;**
- 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 guidelines¹ 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;

¹ currently based on GPPB Resolution No. 09-2020

- 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
- 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 **Construction of Security Fence and Gates along Bonifacio Drive, South Harbor Expanded Port Zone (SHEPZ), South Harbor, Port Area, Manila 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

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

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. Metal Works	kgs..	52,712						
2. Masonry Works	sq.m.	1,150						

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:

- Notice of Award, Notice to Proceed and Contract.
- 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.
- Recapitulation and/ or Final Bill of Quantities.

Name of Firm

Name of Bidder/Authorized Representative
Signatory's Legal Capacity

Date

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: September 2021

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 1]	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)				
					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

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 **Construction of Security Fence and Gates along Bonifacio Drive, South Harbor Expanded Port Zone (SHEPZ), South Harbor, Port Area, Manila 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 **Construction of Security Fence and Gates along Bonifacio Drive, South Harbor Expanded Port Zone (SHEPZ), South Harbor, Port Area, Manila 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 **Construction of Security Fence and Gates along Bonifacio Drive, South Harbor Expanded Port Zone (SHEPZ), South Harbor, Port Area, Manila**, 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]

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].

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. DEMOLITION AND REMOVAL WORKS

1. Demolition and removal works
2. Hauling and disposal works

B. CONSTRUCTION OF STEEL GATE

1. Excavation
2. Supply, spread and compact base course
3. Supply and install reinforcements
4. Supply and place 3,500 psi concrete
5. Supply and install fabricated steel gate

C. CONSTRUCTION OF CHB WALL FENCE

1. Excavation
2. Supply, spread and compact base course
3. Supply and install reinforcements
4. Supply and place 3,500 psi concrete
5. Supply and install fabricated steel gate
6. Construct 150mm thick CHB wall

D. CONSTRUCTION OF STEEL GATE WITH GUARD OUTPOST

1. Excavation
2. Supply, spread and compact base course
3. Supply and install reinforcements
4. Supply and place 3,500 psi concrete
5. Supply and install fabricated steel gate

E. PAINTING WORKS

1. Supply and apply paint for CHB walls (2-coats)
2. Supply and paint for metal surfaces (2-coats)

F. CONSTRUCTION OF GUARD OUTPOST

1. Concrete cutting and breaking
2. Demolition and removal works
3. Excavation
4. Supply, spread and compact base course
5. Supply and install reinforcements
6. Supply and place 3,500 psi concrete
7. Construct 150mm thick CHB wall
8. Supply and install fabricated aluminum framed glass windows, toilet partition and door
9. Supply and install PPA logo and signages including accessories
10. Supply and install electrical works
11. Supply and install plumbing works
12. Supply, deliver and install plumbing fixtures
13. Supply and install tile works (floor finishes)
14. Supply and install painting works (wall finishes)

G. RENOVATION OF EXISTING GUARD HOUSE

1. Concrete cutting and breaking
2. Construct 100mm thick CHB wall
3. Supply and install plumbing works

4. **Supply, deliver and install plumbing fixtures**
5. **Supply and install dry wall partition**
6. **Supply and install tile works (floor finishes)**
7. **Supply and install painting works (wall finishes)**

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)

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
Project Manager									
Project Engineer									
Materials Engineer I									
Construction Safety and Health Officer									
Foreman									
Specify other applicable positions, i.e									
- Carpenter									
- Steelman									
- Mason									
- Electrician									
- Others									

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

EQUIPMENT UTILIZATION SCHEDULE

Name of Project : _____

Project Description : _____

Location : _____

[illegible]

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

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)

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]

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

for:

Philippine Ports Authority

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

for:

Contractor

Acknowledgment

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