

reinforced with deformed steel bars, 10 mm (spaced not more than 0.60 m on centers, both ways. Exposed surfaces of concrete hollow block walls shall be plain cement finished.

B. FENDERING SYSTEM

General Specification:

The work includes the furnishing of all labor, materials and equipment required in the installation of rubber fender system including all appurtenances necessary to complete the work and as shown on the drawings.

Measurement for Payment

Fenders will be measured in units installed complete with anchor bolts, concrete inserts, nuts and washers. Cost shall include for transporting of fenders from supplier's yard to port side.

Rubber Dock Fender Performance Requirement

The rubber fenders should comply with the performance requirements specified in the table provided on the plan/drawings of RDF.

Physical Properties of Materials

The rubber for the fenders shall be of high-quality natural rubber or mixed rubber blended with carbon black used in the rubber industry and shall have sufficient resilience and anti-aging, weathering, abrasion, wear and oil resistant properties. The rubber dock fenders shall be free from bubbles, cracks and other harmful defects.

The physical properties of the rubber compound used for the fender shall comply with the following requirements:

Physical Property Tested	Requirements	Testing Method
1. Tensile Strength a. Before aging	Min. 160 kg./sq. cm.	Test piece dumbbell
b. After Aging	Not less than 80% of original Value	JIS K 6301 Heat Treatment to temp. 70 x 96 hours
2. Elongation a. Before aging	Not less than 350% of the original value	
b. After Aging	A maximum of 77% of the original value	Spring type hardness Test
3. Hardness a. Before aging	Not less than 80% of the original value	
b. After Aging	+8% of the original value	Air heating at 70Cx96hrs
4. Tear Resistance a. Inner Rubber	min. of 70 kg. Sq. cm.	Test Piece

b. Outer Rubber	min. of 60 kg. Sq. cm.	Test Piece
5. Compression	maximum of 30%	JIS K 6301 at 70Cx22hrs
6. Fender : V-type rubber dock fender, 400mmx1500mm)	minimum of 45%	
Required Deflection:	90 tons	
Minimum Reaction Force	18 ton-m	
Energy Absorption		

Note: Equivalent Standards are acceptable.

Rubber Material. The rubber material for the fender be natural or synthetic rubber of higher quality having sufficient resilience, anti-ageing, weather resistant and wear resistant properties to meet all normal service conditions. All the materials shall be homogenous and does not have any defective impurities, pores and cracks. The physical properties shall conform to the requirements of JIS.

Performance Table

Deflection		Designed 45%			Maximum 50%	
Performance		Reaction Force	Energy Absorption	Hull Pressure	Reaction Force	Energy Absorption
1.1.a.1.1.1 Rubber Grade		1.1.a.1.1.1.1	1.1.a.1.1.1.1.3	1.1.a.1.1.1.1	1.1.a.1.1.1.1	1.1.a.1.1.1.1.6
150H	H1	12.8	0.641	110	17.3	0.754
200H	H1	17.1	1.140	110	23.1	1.34
250H	H1	21.4	1.78	110	28.9	2.09
300H	H1	25.7	2.57	110	34.7	3.02
400H	H1	34.2	4.56	110	46.2	5.36
500H	H1	42.8	7.13	110	57.8	8.38
600H	H1	51.3	10.33	110	69.3	12.1
800H	H1	68.4	18.2	110	92.4	21.4
1000H	H1	85.5	28.5	110	116	33.5

- Performance shown one per meter in length each
- Performance Tolerance is +10%

- Rubber Grade other than those shown in this standard can also be manufactured

Physical Properties and Test Method

	Test Items	Properties	Test method	Similar Standards
Before	Tensile Strength	160 kgf / cm min	Spring type hardness (Type A) Heat treatment Temperature = 70 + 1 C Time = 22 hours	ISO 37 ASTM D412 BS 903
	Elongation	350% min.		
	Hardness	72 max.		ISO 2783 ASTM D2240 BS 903 A.Z.
	Compression Set	30% max.		
After Ageing	Tensile Strength	Not less than 80% of original value	Ageing test through air heating Temp. of test = 70 + 1 C Time of Test = 96 hours	ISO 188 ASTM D573 BS 903
	Elongation	Not less than 80% of original Value		
	Hardness	Original Value +8 max. and 76 max.		ISO 2783 ASTM D2240 BS 903 A.Z.

Fittings and Anchorage

Anchor bolts and connecting hardware shall be fabricated using type of steel specified and to the required shapes and sizes shown on the approved plan/drawings.

CLOSED BOX STEEL FRONTAL PANEL (AIR TIGHT, 1190mm W x 5000mm L x 190mm Thk.)

Frontal panel shall be sand blasted to near white finish prior to painting of Marine Epoxy paint.

Frontal Pad

Frontal pad shall be Ultra High Molecular Weight-Polyethylene (UHMW-PE), 40mm thick and with 0.15 max. coefficient of friction.

Testing, Sampling, Inspection, Acceptance, Marking & Packaging

Testing

The Contractor shall be required to submit test certificates showing compliance to the above requirements. The test certificates shall be certified by an independent testing institute/organization recognized by the Employer/ Authority.

One fender from a group of 10 fenders and selected at random shall be tested for performance. The fender shall be compressed repeatedly three (3) times to the maximum deflection at the speed from 2 to 8 cm. per minute. The load and deflection values shall be recorded with the precision of 0.1 ft. and 0.5mm respectively. The results shall be plotted in the form of load deflection–energy absorption curves. The average data obtained in the second and third test loading shall be considered as performance values.

Fenders which fail to satisfy the performance requirements called for shall have a retest on another fender for every 10 pieces of the same type. If it results in failures, all the remaining fenders of this type shall be tested.

Inspection

One fender out of five fenders of each type shall be inspected for compliance to specified dimensions and all fenders shall be inspected for any sign of flaw or defect inimical to its use, by an independent inspection organization nominated by the Contractor and Approved by the Employer or Authority.

Five percent of Anchor bolts and fittings shall be selected at random and inspected. The material used for the fabrication of bolts and fittings shall be covered by the manufacturer's certified mail certificate and shall be verified by the independent inspection organization nominated by the Contractor and Approved by the Employer/Authority.

Acceptance Tolerance

The acceptance tolerance shall be based on the following :

a) Fender Dimension

Length	:	-2% to +4%
Width	:	-2% to +4%
Height	:	-2% to +4%
Thickness	:	-2% to +8%

b) Anchor Bolts Holes in Fender

Diameter of the Hole	:	+2.0mm
Pitch of the Hole	:	+4.0mm

c) Acceptance tolerance for all fenders supplied shall be as specified in the plans/drawings.

Marking

All fender units shall be clearly numbered and marked. Each fender shall have the following markings:

1. Fender type and manufacturers name or trademark
2. Production serial number
3. Date of manufacture or its abbreviation
4. Main dimension
5. Project identification as follows:

Name of Port/Project : _____
Year Supplied : _____

Packaging

The fenders shall be package on wooden crate or wrapped individually with Polypropylene sheets except when sipped containerized.

The bolts and fitting should be placed in crates and suitably treated for protection when transported by sea and stored in port areas.

Inspection

The fenders shall be inspected by an Independent Inspection Organization nominated by the Contractor and approved by the PPA.

One fender out of five fenders of the type given shall be inspected for compliance with dimensions.

Five percent (5%) of anchor materials/fittings shall be selected at random and inspected. The anchoring materials shall be covered by mill certificates issued by the manufacturer and verified by an Independent Inspection Organization.

All fenders shall be inspected for any sign of flaw or defect inimical to their use.

Warranty

The Contractor shall guarantee the guarantee the fenders good quality, free from defects that are attributable to faulty design and manufacture including its performance under normal working conditions. The guarantee shall be for a minimum period of 12 months from the date of acceptance of the installed rubber dock fenders.

During the period of guarantee, repairs and replacement of defective fender units and or material, due to normal use, shall be carried by the Contractor at his own expense.

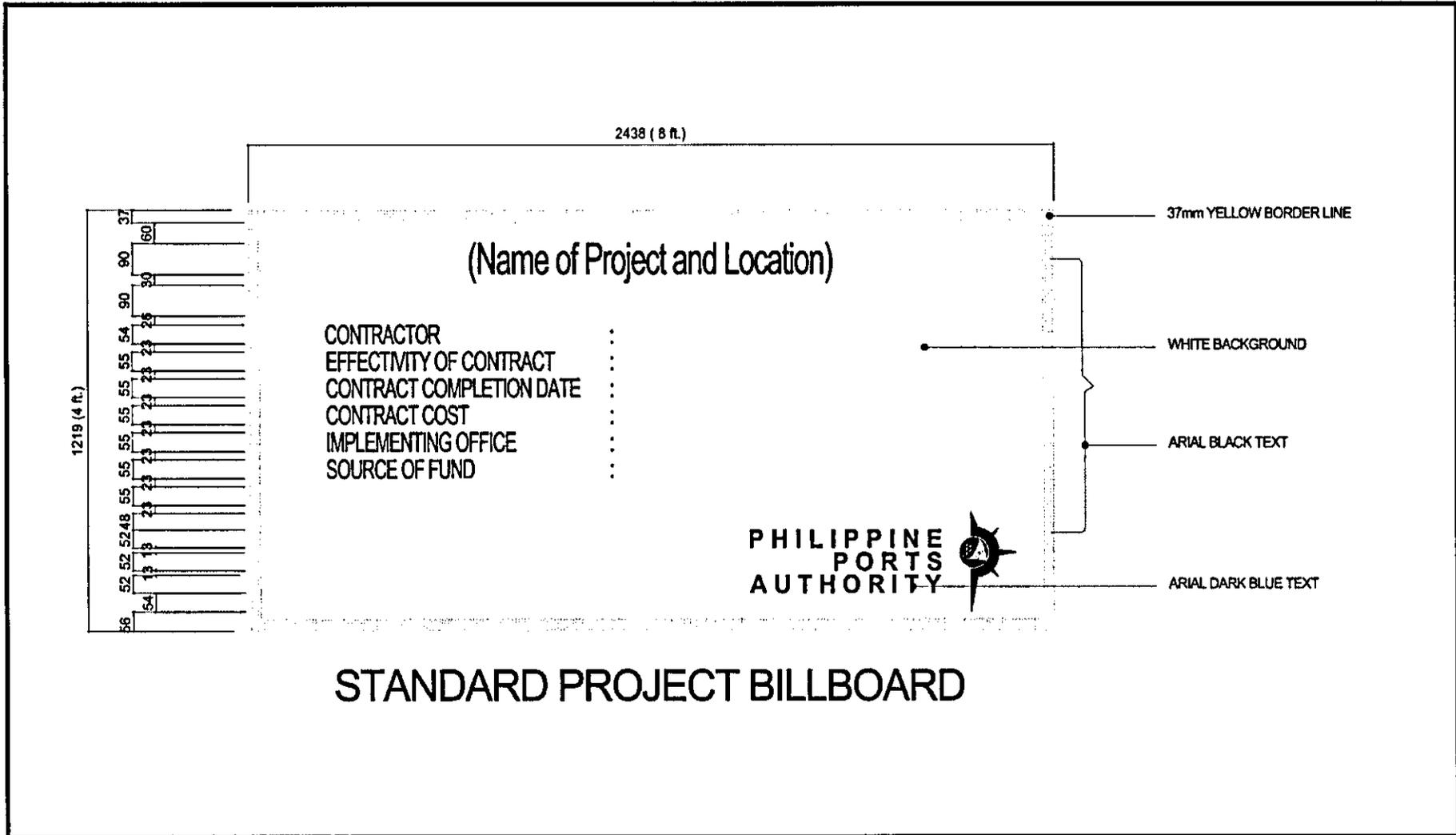
ITEM 07 : PROJECT BILLBOARD**SPECIFICATION**

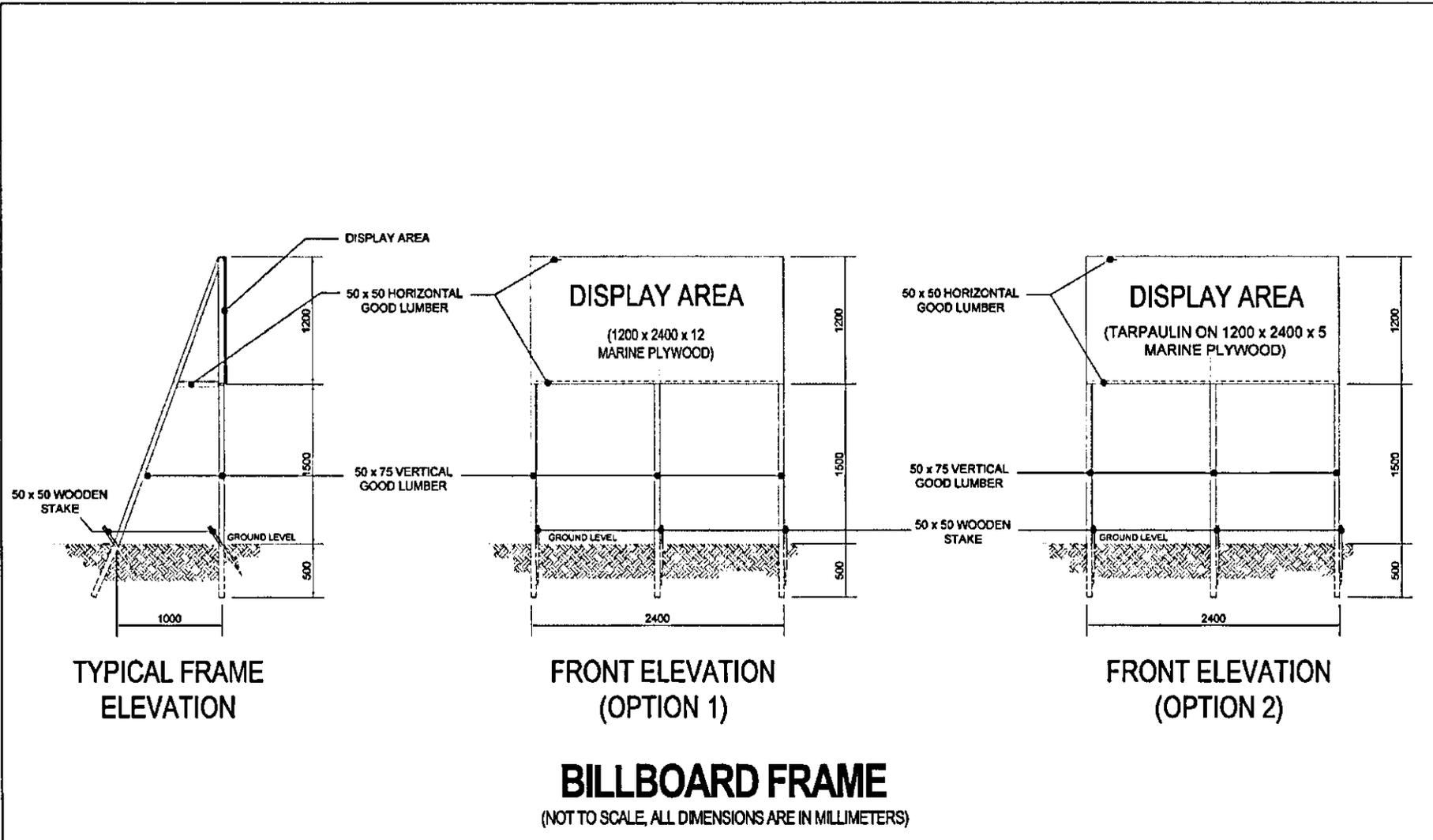
The Project Billboard shall be installed at location(s) designated by the Engineer.

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 08 : 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.

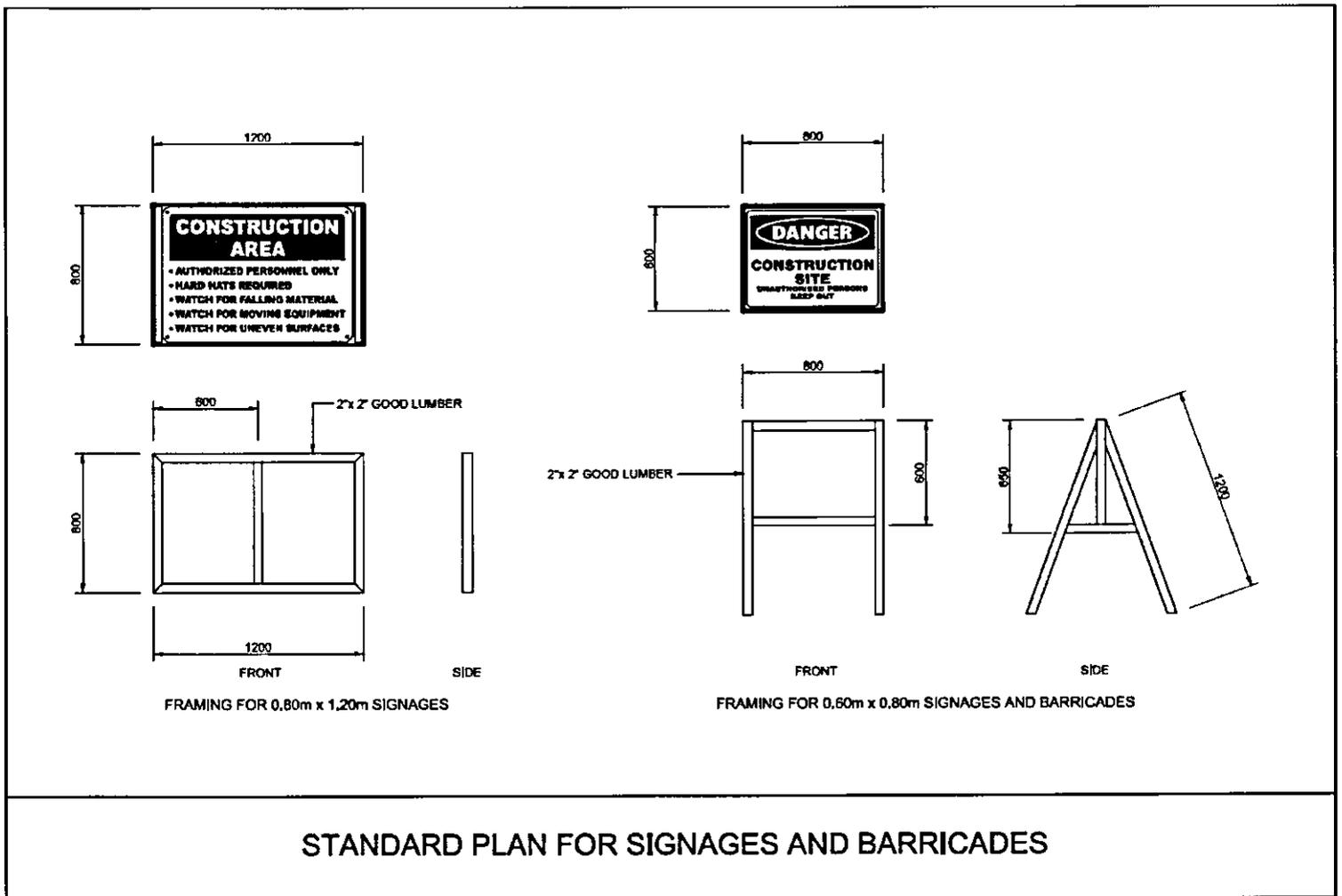
SPECIFICATION

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 1/2 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

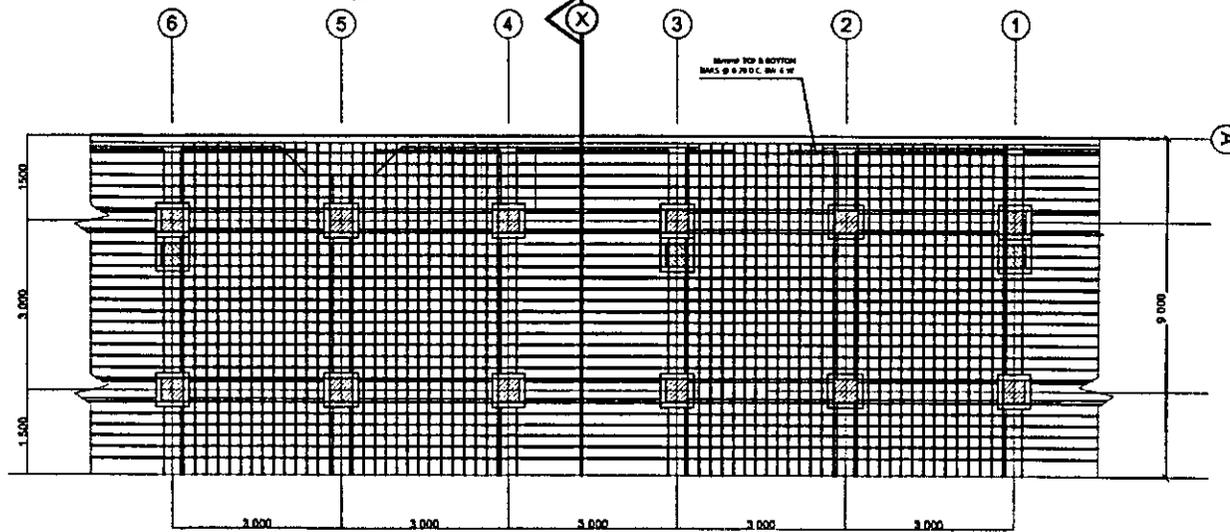
DRAWINGS AND APPROVED PLANS

(SEE ISSUED APPROVED PLANS)

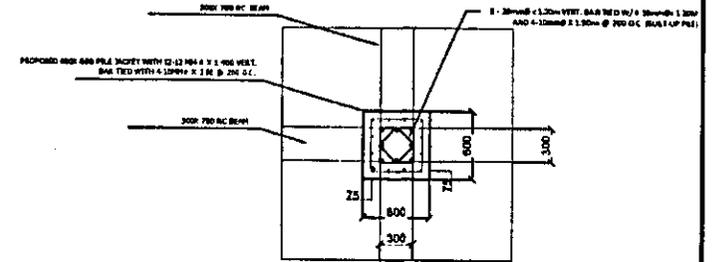
LIST OF DRAWINGS:

REHABILITATION OF BERTHING FACILITY AT LAPUZ-SIDE OF ILOILO RIVER WHARF, BRGY. LAPUZ, LAPAZ, ILOILO CITY

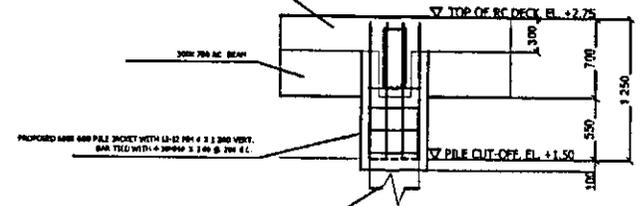
- 1 of 7 - General Project Lay-out Plan, Cross Sectional Area of Proposed PCCP, PCCP Joint Details, Vicinity Map
- 2 of 7 - Slab and Beam Detail, Pile Jacketing Elevations and Details, Detail of RC Curbs.
- 3 of 7 - Detail of Beams and Reinforcements.
- 4 of 7 - Mooring Plan (Elevations, Details and Specifications of Mooring Tee Head)
- 5 of 7 - Elevation and Mounting Detail of HV-Type Rubber Dock Fenders.
- 6 of 7 - Details of Proposed RoRo Ramp, Details of Exist. RoRo Ramp Elevations and mounting detail of HV -Type RDF.
- 7 of 7 - Floodlight Details, RC Pedestal Detail, Schedule of Loads, Duck Bank Details, Single Diagram, Riser Diagram



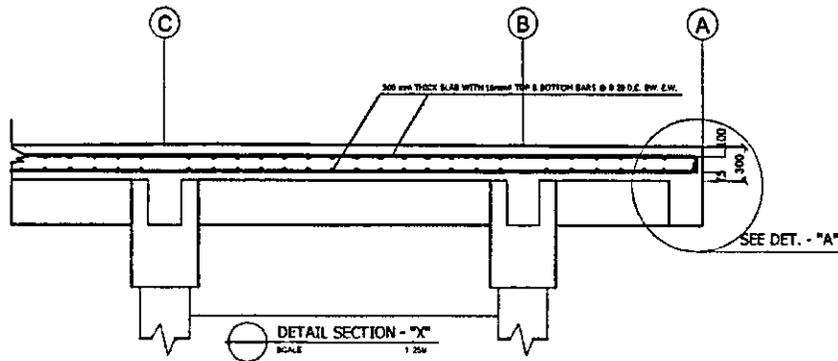
PART PLAN OF REINF. R.C. DECK
SCALE 1:200



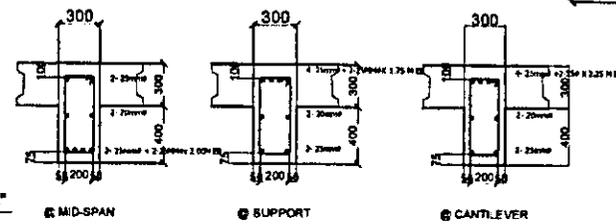
PLAN



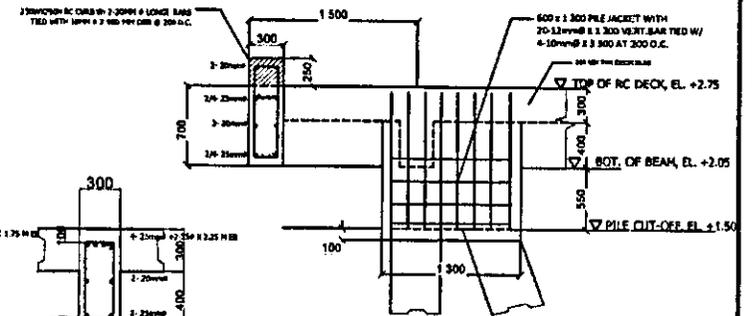
DET. OF VERT. PILE JACKET
SCALE 1:200



DETAIL SECTION - "X"
SCALE 1:200



DET. OF R.C. CURTAIN WALL BEAM (DET. A)
SCALE 1:200



DET. OF VERT. & BATTER PILE JACKET
SCALE 1:200



PROJECT TITLE/LOCATION
REHABILITATION OF BERTHING FACILITY AT LAPUZ-SIDE OF ILOILO RIVER WHARF
LAPUZ, LAPAZ, ILOILO CITY

SHEET CONTENTS
SLAB AND BEAM PLAN AND DETAILS
PILE JACKET PLAN, ELEVATIONS AND DETAILS
DETAIL OF R.C. CURB

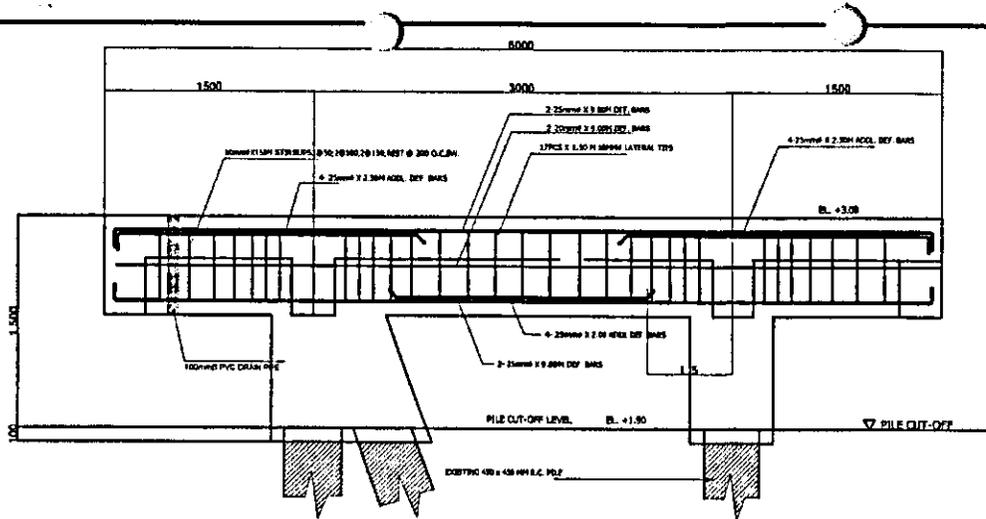
REVISION		
NO.	DESCRIPTION	DATE
1	ORIGINAL	12/18/2020

DESIGNED BY
JOSE CEFERINO E. ELGARON
PRINCIPAL DESIGNER

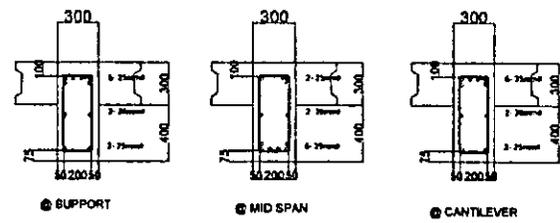
REVISIONS APPROVAL
MAYLENE G. ARANTE
SUPERVISOR

APPROVAL
ALDO R. ROJO
PROJECT MANAGER

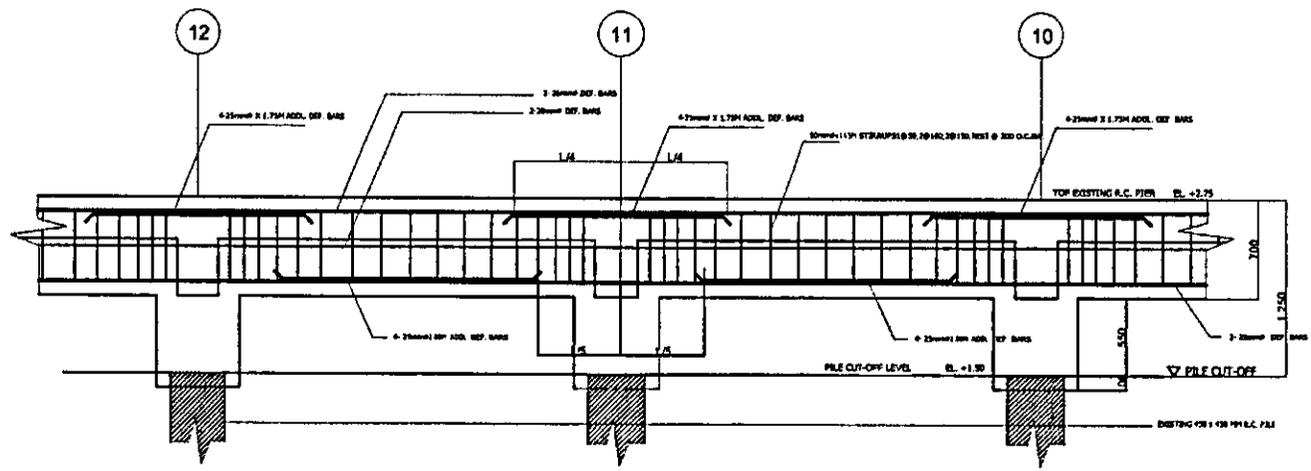
SHEET NO.
2 OF 7
SCALE
AS SHOWN
DATE
JULY 3, 2023



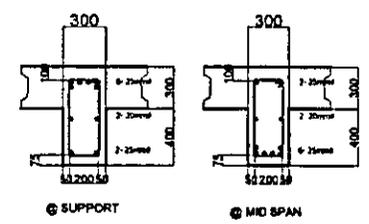
DET. OF TRANSVERSE R.C. BEAM
SCALE: 1:200



DET. SECT. OF R.C. BEAM
SCALE: 1:200



DET. OF LONGITUDINAL R.C. BEAM
SCALE: 1:200



DET. SECT. OF R.C. BEAM
SCALE: 1:200

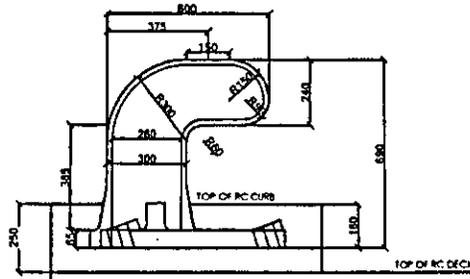
	PROJECT TITLE/LOCATION	SHEET CONTENTS	REVISION	PREPARED BY	RECOMMENDING APPROVAL	APPROVED:	SHEET NO.																												
	REHABILITATION OF BERTHING FACILITY AT LAPUZ-SIDE OF ILOILO RIVER WHARF LAPUZ, LAPAZ, ILOILO CITY	DETAIL OF BEAMS AND REINFORCEMENTS	<table border="1"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> <tr> <td>1</td> <td>BY: JC ELGARAY</td> <td>MAY 8, 2020</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DESCRIPTION	DATE	1	BY: JC ELGARAY	MAY 8, 2020							<table border="1"> <tr> <td>PREPARED BY:</td> <td>DATE:</td> </tr> <tr> <td>JOSE CEFERINO E. ELGARAY</td> <td>MAY 8, 2020</td> </tr> <tr> <td>PRINCIPAL ENGINEER</td> <td> </td> </tr> </table>	PREPARED BY:	DATE:	JOSE CEFERINO E. ELGARAY	MAY 8, 2020	PRINCIPAL ENGINEER		<table border="1"> <tr> <td>RECOMMENDING APPROVAL:</td> <td>APPROVED:</td> </tr> <tr> <td>MAYLENE G. ARANTE</td> <td>ALLAN M. JOJO</td> </tr> <tr> <td>CHECKED</td> <td>PORT MANAGER</td> </tr> </table>	RECOMMENDING APPROVAL:	APPROVED:	MAYLENE G. ARANTE	ALLAN M. JOJO	CHECKED	PORT MANAGER	<table border="1"> <tr> <td>SHEET NO.</td> <td>3 OF 7</td> </tr> <tr> <td>SCALE</td> <td>AS SHOWN</td> </tr> <tr> <td>DATE</td> <td>JULY 3, 2023</td> </tr> </table>	SHEET NO.	3 OF 7	SCALE	AS SHOWN	DATE
NO.	DESCRIPTION	DATE																																	
1	BY: JC ELGARAY	MAY 8, 2020																																	
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JOSE CEFERINO E. ELGARAY	MAY 8, 2020																																		
PRINCIPAL ENGINEER																																			
RECOMMENDING APPROVAL:	APPROVED:																																		
MAYLENE G. ARANTE	ALLAN M. JOJO																																		
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SCALE	AS SHOWN																																		
DATE	JULY 3, 2023																																		

MATERIALS AND WEIGHT

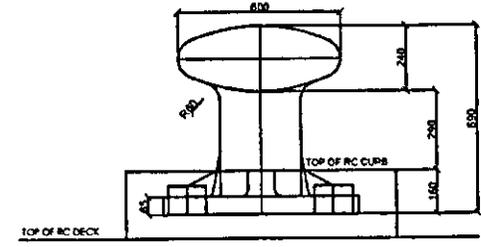
NO.	DESCRIPTION	MATERIALS AND SPECIFICATION	ALLOW STRESS (Kgf/cm ²)	QTY.	WEIGHT PER PCD (Kgf)	WT. (Kgf)
1	BODY	JIS G 5101 3 GRADE SC 48	1,400	1	420	426
2	ANCHOR BOLT	JIS G 3107 2 GRADE SC 41	1,400	4	9	36
3	HEXAGON NUTS	JIS B 1181 T GRADE 4T M42.4-S	-	8	-	-
4	PLAIN WASHER	JIS B 1236 ROUND STEEL	-	4	-	-
5	ANCHOR RING	JIS G 3107 2 GRADE SC 41 OR JIS G 5101 3 GRADE SC 48	1,400	4	8	32

LOCATION OF MOORING TEE HEAD

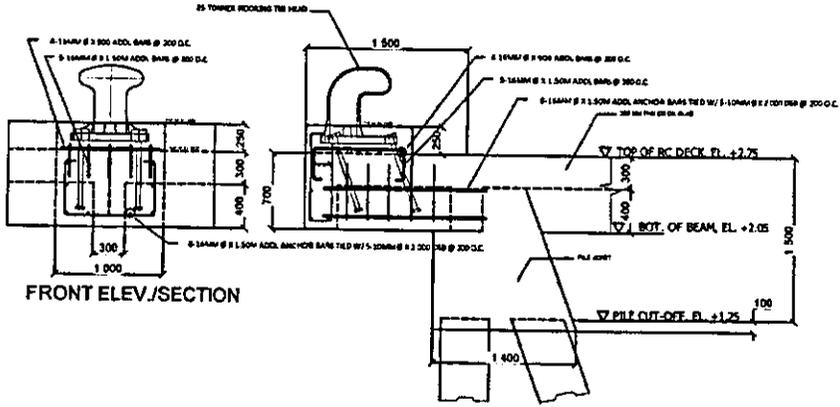
ROW	BENT	QTY. (PCS.)
A	1, 5, 9, 13	4



SECTION



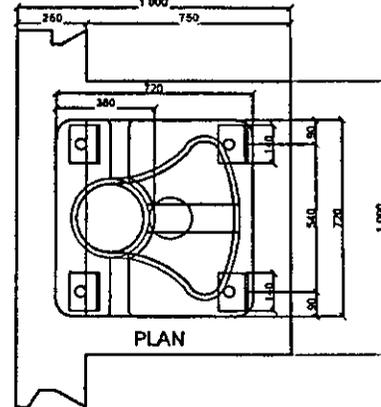
ELEVATION



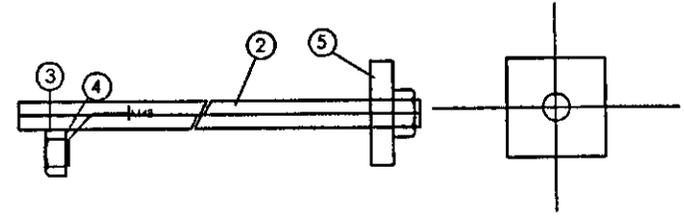
FRONT ELEV./SECTION

SIDE ELEV./SECTION

MOORING BLOCK DETAIL
SCALE 1:25



PLAN



25 TON MOORING TEE HEAD
SCALE 1:10



REHABILITATION OF BERTHING FACILITY AT LAPUZ-SIDE OF ILOILO RIVER WHARF
LAPUZ, LAPAZ, ILOILO CITY

SCALE: 1:10
PLAN & DETAILS OF MOORING TEE HEAD

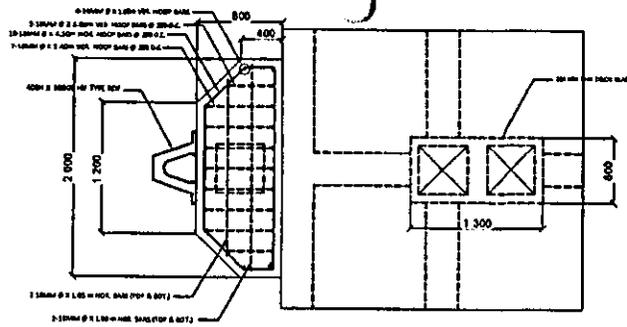
REVISION	REVISION BY	DATE
PLAN & DETAILS OF MOORING TEE HEAD	J. ELIGARAN	MAY 6, 2020

JOSE CEFERINO E. ELIGARAN
REGISTERED ENGINEER

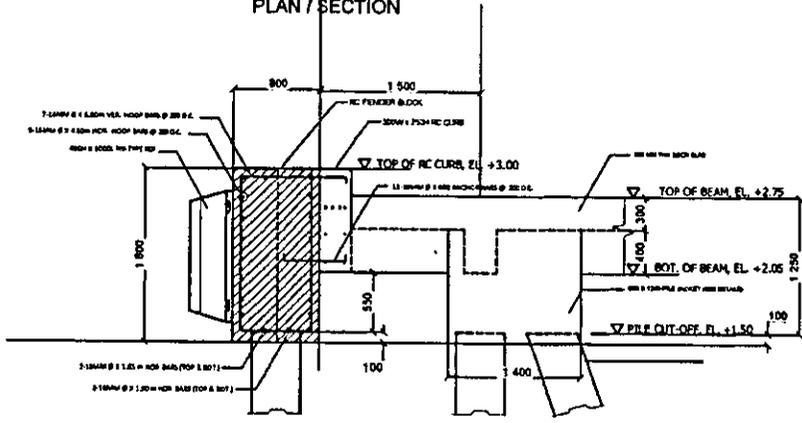
MAYLENE G. ARANTE
REGISTERED ENGINEER

ALLAN M. [Signature]
REGISTERED ENGINEER

SHEET NO. 4 OF 7
SCALE AS SHOWN
DATE JULY 3, 2023



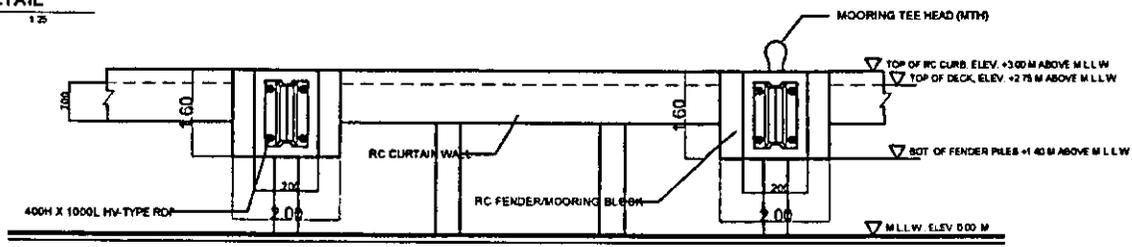
PLAN / SECTION



SIDE ELEV/SECTION

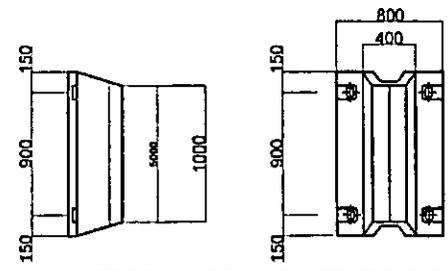


FENDER BLOCK DETAIL
SCALE: 1:25



ELEVATIONS AND MOUNTING DETAILS

SCALE: 1:50

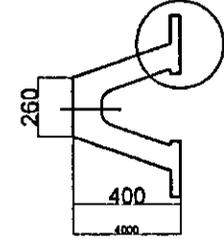


400Hx100L HV-TYPE RDF

SCALE: 1:20

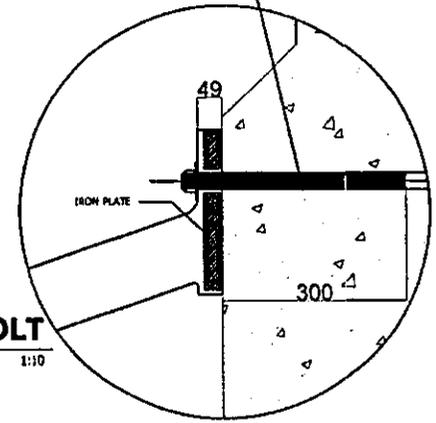
PERFORMANCE CHARACTERISTIC OF 400H (HV-TYPE RDF) AT RATED DEFLECTION OF FENDER (45%)

HULL PRESSURE	REACTION FORCE	ENERGY ABSORPTION
TON / M	TON	TON / M
48	22.50	3.0



DETAIL OF ANCHOR BOLT

SCALE: 1:10



REHABILITATION OF BERTHING FACILITY AT LAPUZ-SIDE OF ILOILO RIVER WHARF
LAPUZ, LAPAZ, ILOILO CITY

SHEET CONTENTS
PLAN, ELEVATIONS AND MOUNTING DETAILS OF HV-TYPE RUBBER DOOR FENDER ON STAINLESS STEEL CURB

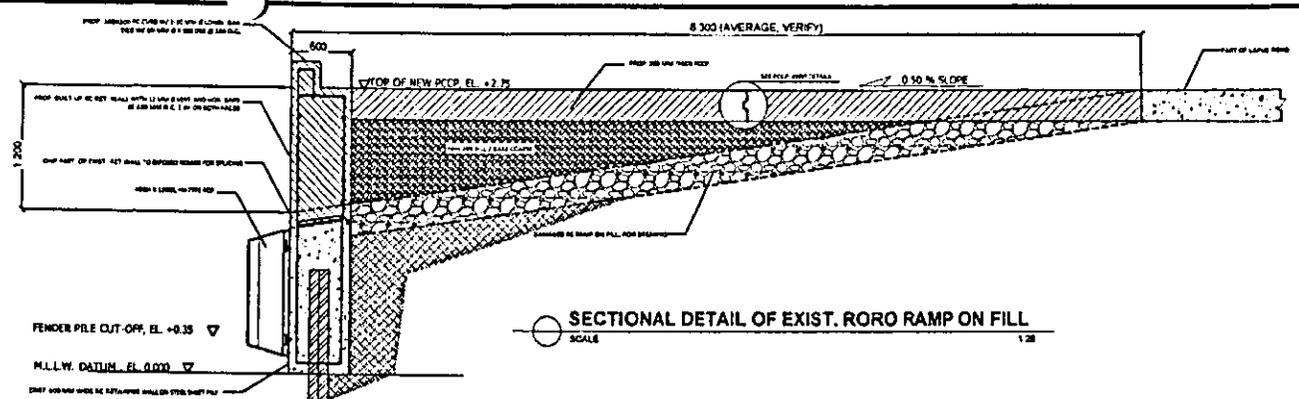
REVISION	PREPARED BY	DATE
1	JOSE ELGARAN	MAY 18, 2023

DESIGNED BY
JOSE CEFERINO E. ELGARAN
PROJECT ENGINEER

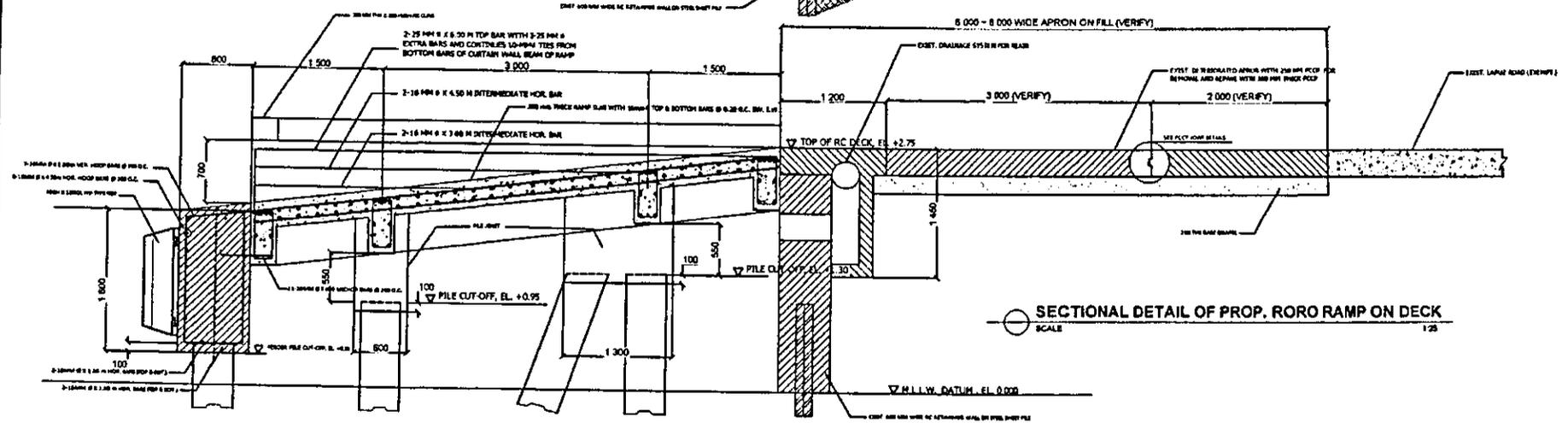
CHECKED BY
MAYLENE G. ARANTE
PROJECT ENGINEER

DRAWN BY
ALLAN ROBERT STA.
PROJECT ENGINEER

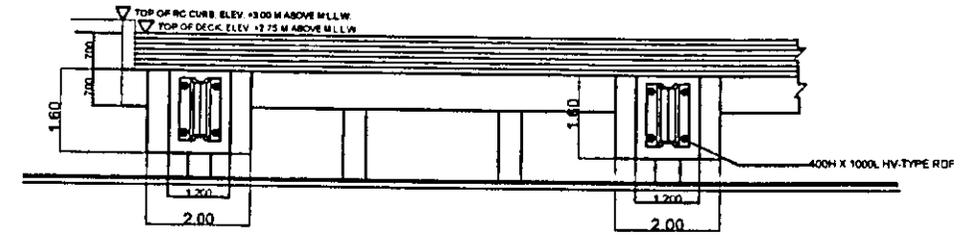
SKETCHED BY
5 OF 7
SCALE AS SHOWN
DATE JULY 3, 2023



SECTIONAL DETAIL OF EXIST. RORO RAMP ON FILL
SCALE 1/20

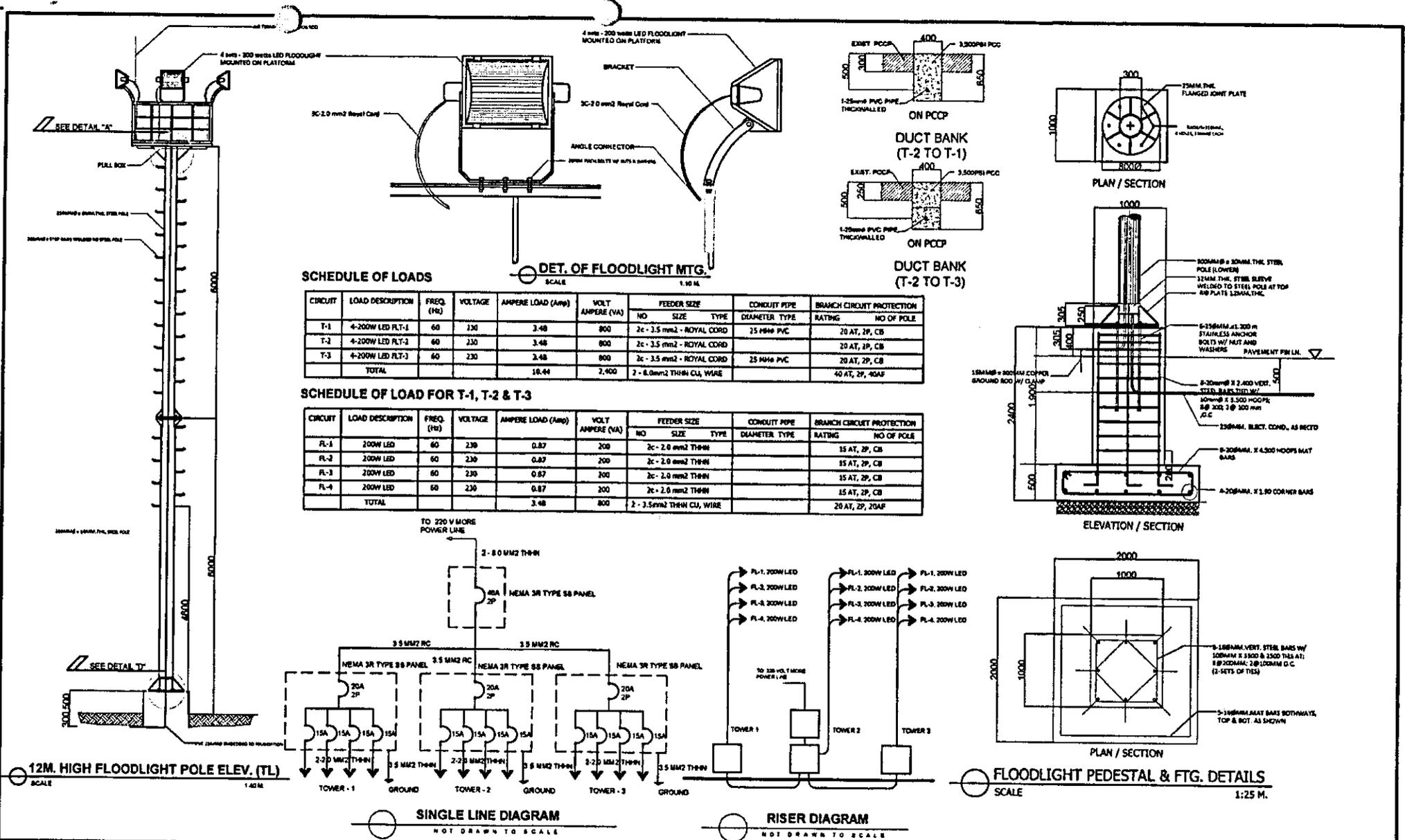


SECTIONAL DETAIL OF PROP. RORO RAMP ON DECK
SCALE 1/20



ELEVATIONS AND MOUNTING DETAILS
SCALE: 1:50

	REHABILITATION REHABILITATION OF BERTHING FACILITY AT LAPUZ-SIDE OF ILOILO RIVER WHARF LAPUZ, LAPAZ, ILOILO CITY	SHEET CONTENTS PLAN, ELEVATIONS AND MOUNTING DETAILS OF HV-TYPE ALUMINUM LOCK FIBERGLASS FRONT END OF RORO RAMP	REV. NO. 1 PLAN & DETAILS ORIGINAL DATE JUNE 2024	PREPARED BY J.C. ELGARAN	CHECKED BY M.A.Y.E. ZORR	DESIGNED BY J.C. ELGARAN	DRAWING NO. 1000-0000	APPROVED BY M.A.Y.E. ZORR	SHEET NO. 6 OF 7
			PROJECT ENGINEER JOSE CEFERINO E. ELGARAN	ACTING PROJECT ENGINEER MAYLENE G. ARANTE	PROJECT MANAGER ALLAN M. BORDO	DATE JULY 3, 2023			

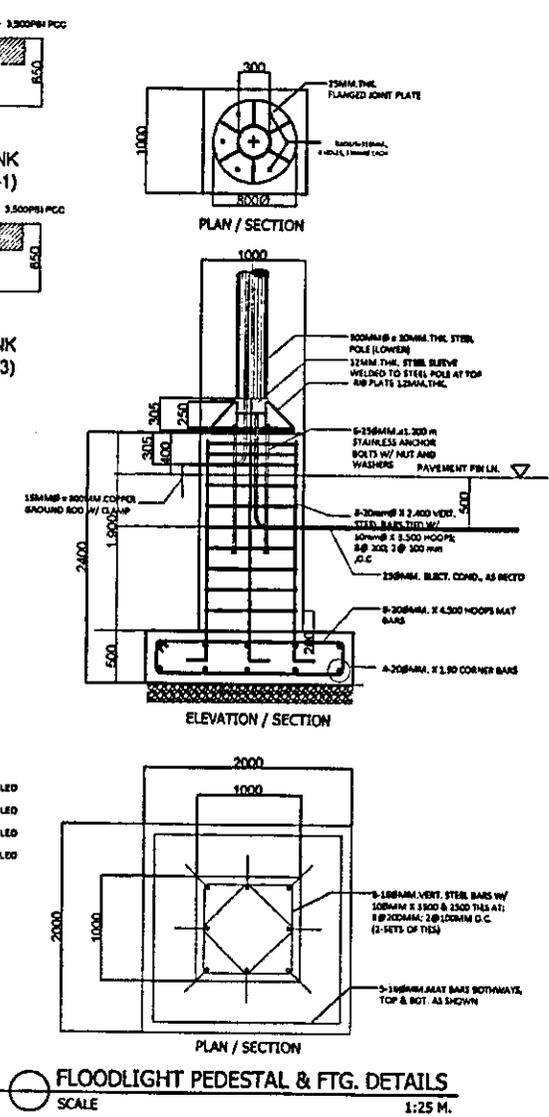
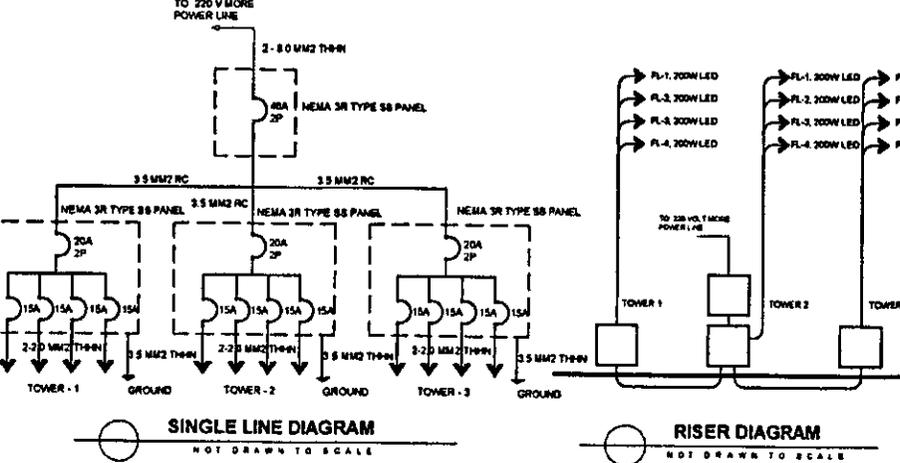


SCHEDULE OF LOADS

CIRCUIT	LOAD DESCRIPTION	FREQ. (Hz)	VOLTAGE	AMPERE LOAD (Amp)	VOLT AMPERE (VA)	FEEDER SIZE		CONDUIT PIPE		BRANCH CIRCUIT PROTECTION	
						NO	SIZE	TYPE	DIAMETER	TYPE	RATING
T-1	4-200W LED FLT-1	60	230	3.48	800	2c	3.5 mm2	ROYAL CORD	25 MMH PVC	20 AT, 2P, CB	
T-2	4-200W LED FLT-2	60	230	3.48	800	2c	3.5 mm2	ROYAL CORD	25 MMH PVC	20 AT, 2P, CB	
T-3	4-200W LED FLT-3	60	230	3.48	800	2c	3.5 mm2	ROYAL CORD	25 MMH PVC	20 AT, 2P, CB	
TOTAL				10.44	2,400	2	8.0mm2	THHN CU, WIRE		40 AT, 2P, 40AF	

SCHEDULE OF LOAD FOR T-1, T-2 & T-3

CIRCUIT	LOAD DESCRIPTION	FREQ. (Hz)	VOLTAGE	AMPERE LOAD (Amp)	VOLT AMPERE (VA)	FEEDER SIZE		CONDUIT PIPE		BRANCH CIRCUIT PROTECTION	
						NO	SIZE	TYPE	DIAMETER	TYPE	RATING
FL-1	200W LED	60	230	0.87	200	2c	2.0 mm2	THHN		15 AT, 2P, CB	
FL-2	200W LED	60	230	0.87	200	2c	2.0 mm2	THHN		15 AT, 2P, CB	
FL-3	200W LED	60	230	0.87	200	2c	2.0 mm2	THHN		15 AT, 2P, CB	
FL-4	200W LED	60	230	0.87	200	2c	2.0 mm2	THHN		15 AT, 2P, CB	
TOTAL				3.48	800	2	3.5mm2	THHN CU, WIRE		20 AT, 2P, 20AF	



	<p>REHABILITATION OF BERTHING FACILITY AT LAPUZ-SIDE OF ILOILO RIVER WHARF LAPUZ, LAPAZ, ILOILO CITY</p>	<p>KEY CONTAINS: FLOODLIGHT DETAILS & FC PEDESTAL DETAILS BO-BOLDS OF LOADS DUCT BANK DETAILS SINGLE LINE DIAGRAM RISER DIAGRAM</p>	<p>DESIGNED BY DEL A. JAMETA</p>	<p>PREPARED BY RAN JACINTO</p>	<p>DATE MARCH 17, 2023</p>	<p>APPROVED BY MAYLENE G. ARANTE</p>	<p>DATE JULY 3, 2023</p>	<p>7 OF 7 AS SHOWN</p>
			<p>PROJECT NO. 100-100-100-100</p>	<p>DATE JULY 3, 2023</p>	<p>DATE JULY 3, 2023</p>			

SECTION VIII

BILL OF QUANTITIES
and
ATTACHMENTS



BID SUMMARY

Rehabilitation of Berthing Facility at Lapuz-Side of Iloilo River Wharf, Brgy. Lapuz, Lapaz, Iloilo City

NO.	DESCRIPTION OF WORK	AMOUNT (Pesos)
BILL NO. 1.00	General Expenses	
BILL NO. 2.00	Repair of Deteriorated RC Deck	
BILL NO. 3.00	Repair of Damaged Pavement	
BILL NO. 4.00	Mooring and Fendering System	
BILL NO. 5.00	Upgrading of Damaged RORO Ramps on Fill	
BILL NO. 6.00	Port Lighting System	
BID PRICE		-

Name of Firm

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

Date

BILL OF QUANTITIES



Rehabilitation of Berthing Facility at Lapuz-Side of Iloilo River Wharf, Brgy. Lapuz, Lapaz, Iloilo City

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (6)
BILL NO. 1	GENERAL EXPENSES				
1.10	Mobilization / Demobilization	lot	1.00		
1.20	Pre-con survey and provision of temporary facility	lot	1.00		
1.30	Construction Safety and Health Program	l.s.	1.00		
TOTAL FOR BILL NO. 1					-

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

BILL OF QUANTITIES



Rehabilitation of Berthing Facility at Lapuz-Side of Iloilo River Wharf, Brgy. Lapuz, Lapaz, Iloilo City

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (6)
BILL NO. 2	Repair of Deteriorated RC Deck				
2.10	Demolish and dispose damaged RC Curb, RC Deck and RC Beam	sq.m	720.00		
2.20	Demolish/chip/cut-off piles to desired elevation	no.	117.00		
2.30	Supply and place 3,500 psi Portland Cement Concrete	cu.m	340.00		
2.40	Supply and install steel reinforcement for Item 2.03	kgs	64,993.00		
TOTAL FOR BILL NO. 2					-

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

BILL OF QUANTITIES



Rehabilitation of Berthing Facility at Lapuz-Side of Iloilo River Wharf, Brgy. Lapuz, Lapaz, Iloilo City

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (6)
BILL NO. 3	Repair of Damaged Pavement				
3.10	Break/excavate and dispose damaged PCCP	ln.m	760.00		
3.20	Excavation and disposal of earth fill	sq.m	760.00		
3.30	Sub-grade Preparation	sq.m	760.00		
3.40	Supply/spread/compact Item 200 base coarse	cu.m	114.00		
3.50	Construct 300 mm thick PCCP, 3.500 psi	sq.m	760.00		
TOTAL FOR BILL NO. 3					-

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

BILL OF QUANTITIES



Rehabilitation of Berthing Facility at Lapuz-Side of Iloilo River Wharf, Brgy. Lapuz, Lapaz, Iloilo City

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (6)
BILL NO.	4 Mooring and Fendering System				
4.10	Demolish/cut Fender Block on RC pile to desired elevation	blocks	13.00		
4.20	Construct New RC Fender Block on existing RC pile	blocks	13.00		
4.30	Remove and re-install existing 400Hx1000L RDF	units	9.00		
4.40	Supply and install new 400Hx1000L HV-Type RDF w/ complete accessories	units	8.00		
4.50	Supply and install 25-T Mooring Tee Head with complete accessories	units	9.00		
TOTAL FOR BILL NO. 4					-

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

BILL OF QUANTITIES



Rehabilitation of Berthing Facility at Lapuz-Side of Iloilo River Wharf, Brgy. Lapuz, Lapaz, Iloilo City

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (6)
BILL NO. 5	Upgrading of Damaged RORO Ramps on Fill				
5.10	Upgrading of Retaining Wall				
5.1.1	Chip upper portion of RC retaining wall and RC Curb	In.m.	53.00		
5.1.2	Built-up Existing RC Retaining Wall	In.m.	31.30		
5.20	Upgrading of RORO Ramps				
5.2.1	Break damaged RC ramp on fill and remove ICPB	sq.m.	250		
5.2.2	Supply/spread/compact Item 200 base coarse	cu.m.	88		
5.2.3	Construct 300 mm thick PCCP, 3500 psi incldg dowels	sq.m.	250		
TOTAL FOR BILL NO. 5					-

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

BILL OF QUANTITIES



Rehabilitation of Berthing Facility at Lapuz-Side of Iloilo River Wharf, Brgy. Lapuz, Lapaz, Iloilo City

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (6)
BILL NO. 6	Port Lighting System				
6.10	Provide RC Pedestal for 12-meter high floodlight tower	units	3.00		
6.20	Layout/Excavation/Backfilling Works for duct bank	ln.m.	150.00		
6.30	Relocate 12-m High Floodlight Pole	units	3.00		
6.40	Supply and Install Controls for three (3) Towerlights	sets	3.00		
6.50	Supply/Deliver/Install Wirings and Lighting Fixtures	units	12		
TOTAL FOR BILL NO. 6					-

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 1.10 Mobilization/Demobilization

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 1.20 Pre-con survey and provision of temporary facility

The quantity to be paid for shall be the actual implementation of pre-con survey and provision of temporary facility 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 pre-con survey and provision of temporary facility.

Item 1.30 Construction Safety and Health Program

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

REPAIR OF DETERIORATED RC DECK

Item 2.10 Demolish and Dispose Damaged RC Curb, RC Deck and RC Beams

The quantity to be paid for shall be the actual area in square meter of demolished and disposed damaged RC Curb, RC Deck and RC Beams 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 2.20 Demolish/chip/cut-off piles to desired elevation

The quantity to be paid for shall be the actual number of units demolished /Chip/Cut-off piles to the desired elevation 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 2.30 Supply and Place 3,500 psi Portland Cement Concrete

The quantity to be paid for shall be the actual volume in cubic meter of supplied and placed 3,500 psi Portland cement Concrete in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 2.40 Supply and Install Steel Reinforcement for item 2.30.

The quantity to be paid for shall be the weight in kgs of supplied and placed for Item 2.30 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

REPAIR OF DAMAGED PAVEMENT

Item 3.10 Break/Excavate and Dispose Damaged PCCP

The quantity to be paid for shall be the length in linear meter of Broken/Excavated and Disposed Damaged PCCP 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 3.20 Excavation and Disposal of Earth Fill

The quantity to be paid for shall be the actual area in square meter of excavated and disposed Earth fill 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 3.30 Sub-grade Preparation

The quantity to be paid for shall be the actual area in square meter of sub-grade preparation 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 3.40 Supply/spread/compact Item 200 base course

The quantity to be paid for shall be the actual volume of the supplied/spreaded/compacted Item 200 base course in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 3.50 Construct 300mm thick PCCP, 3,500 psi including forms, steel dowels and asphalt joint sealer

The quantity to be paid for shall be the actual area in square meter of constructed 300mm thick PCCP, 3,500 psi 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

MOORING AND FENDERING SYSTEM

Item 4.10 Demolish/Cut Fender Block on RC pile to desired elevation

The quantity to be paid for shall be the actual blocks of demolished/cut fender block on RC pile to desired elevation 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 4.20 Construct New RC Fender Block on existing RC file include 3,500 psi PC Concrete and steel reinforcement, 276 Mpa

The quantity to be paid for shall be the actual number of blocks of constructed new RC Fender block on existing RC file including 3,500 psi PC Concrete and steel reinforcement 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 4.30 Remove and Re-install existing 400Hx1000L RDF

The quantity to be paid for shall be actual number of removed and re-installed existing 400H x 1000L RDF 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 4.40 Supply and install new 400H x 1000L HV Type RDF with complete accessories

The quantity to be paid for shall be the actual units of supplied and installed 400H x 1000L HV type RDF with complete accessories 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 4.50 Supply and Install 25T Mooring Tee Head with complete accessories

The quantity to be paid for shall be the actual units of supplied and installed 25T Mooring Tee Head with complete accessories 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

UPGRADING OF DAMAGED RORO RAMPS ON FILL

Item 5.10 Upgrading of Retaining Wall

Item 5.10.1 Chip upper portion of RC retaining wall and RC Curb

The quantity to be paid for shall be the length in linear meter of the chipped upper portion of RC retaining wall and RC Curb 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 5.10.2 Build-up Existing RC Retaining Wall

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

Item 5.20 Upgrading of RORO Ramps
Item 5.20.1 Break damaged RC Ramp on fill and remove ICPB

The quantity to be paid for shall be the actual area in square meter of break damaged RC Ramp on fill and removed ICPB 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 5.20.2 Supply/Spread/Compact Item 200 base coarse

The quantity to be paid for shall be the actual volume in cubic meter of the supplied/spread/Compacted Item 200 base coarse 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 5.20.3 Construct 300mm thick PCCP, 3,500 psi including dowels

The quantity to be paid for shall be the actual area in square meter of the constructed 300mm thick PCCP, 3,500 psi including dowels 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

PORT LIGHTING SYSTEM

Item 6.10 Provide RC Pedestal for 12m high floodlight tower

The quantity to be paid for shall be the number of units provided on RC Pedestal of 12m high Floodlight tower 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 6.20 Lay-out/Excavation/Backfilling Works for the duct bank

The quantity to be paid for shall be length in linear meter of the lay-out/excavated/backfilling works for the duct bank 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 6.30 Relocate 12m High Floodlight Pole

The quantity to be paid for shall be the number of units of relocated 12m High Floodlight Pole 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 6.40 Supply and Install Controls for three (3) Towerlights

The quantity to be paid for shall be the number of units of supplied and installed controls for tower light 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 6.50 Supply/Delivered wirings and Lighting Fixtures

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

MINIMUM MAJOR EQUIPMENT REQUIREMENTS

1	unit/s	Surveyors Theodolite (Owned)
1	unit/s	Stake Truck (Owned)
1	unit/s	Oxy-acetylene cutting outfit (Owned)
1	unit/s	Air Compressor, 186-250 Cfm (Owned)
1	unit/s	Pneumatic hand held breakers w/ 50-ft hose (Owned)
1	unit/s	Backhoe, Crawler mounted (0.50 cu m cap) w/ breaker (Lease)
1	unit/s	Backhoe, 0.50 cu m (Lease)
1	unit/s	Pay Loader, 1.80 cu m cap. (Lease)
1	unit/s	Water Truck with Pump, 16,000 liters (Lease)
1	unit/s	Bar Cutter (electric, 25mm dia min.) (Owned)
1	unit/s	Bar Bender (electric, 25mm dia min.) (Owned)
1	unit/s	Welding Generator (30 KVA) to include fuel/oil (Owned)
1	unit/s	Welding Machine, 500 HP (Owned)
1	unit/s	Road Grader, 125 Hp (Lease)
1	unit/s	Vibratory Road Roller, 10 tonner, 130 HP (Lease)
1	unit/s	Plate Compactor, vibratory, rev. diesel, 8HP incldg fuel/oil (lease)
1	unit/s	Concrete screeder (Owned)
1	unit/s	Concrete saw (Owned)
1	unit/s	Concrete Vibrator, 3.50HP Gas 2" with flex. hose, 2-4 meters (Owned)
1	unit/s	Telescoping boom truck, 11-15 tons cap. (Lease)
1	unit/s	Cargo Truck, 9-10 MT, 270HP (Lease)
1	unit/s	Electric Drill (Owned)
2	unit/s	Transit Mixer, 5 cu m cap. (Lease)
2	unit/s	Conc. Vibrator, 2" with flexible hose (4-6meters) (Owned)
2	unit/s	Dump Truck, 8 cu m cap. (Owned)

CONSTRUCTION SAFETY AND HEALTH REQUIREMENT

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

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

The Contractor shall provide the following minimum requirements:

LABOR

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

EQUIPMENT / MATERIALS

Personnel Protective Equipment

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

Safety Devices

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

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

NOTE:

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

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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, Elutration (wash), Bulk Specific Gravity, Absorption, Mortar Strength, Soundness, Organic Impurities, Unit Weight, % Clay Lumps and Shale	For every 1,500 cubic meter or fraction thereof
C Coarse Aggregate	Quality Test for Grading, Bulk Specific Gravity, Absorption and Abrasion	For every 1,500 cubic meter or fraction thereof
D Water	Certificate from the Engineer or Quality Test for Density and Chloride Content	One per source
E Steel Bars	Mill Certificate and Quality Test for Chemical Composition and Mechanical Properties	For every 10,000 kg or fraction thereof
F Concrete	Compressive Strength on cylinder samples	1 set consisting of 3 concrete cylinder samples shall be taken from each day's pouring and to represent not more than 75 cu m of concrete or fraction thereof
	Slump Test	For every mix
G Admixture and Concrete Curing Materials	Quality Test	One per shipment
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 	2 from 200 pipe of fraction thereof 2 from 100 pipe or fraction thereof 2 from 3000ft (914m) or fraction thereof
	Mechanical/Tensile	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 Mdl 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/Lean Concrete		
A Portland Cement	Same test as for SC (A)	Same frequency as SC (A)
B Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)

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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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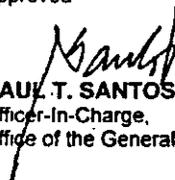
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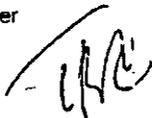
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Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
Fixtures	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Pipe Culverts	Compression Strength Inspection and Evaluation Report from 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: **Rehabilitation of Berthing Facility at Lapuz-Side of Iloilo River Wharf, Brgy. Lapuz, La Paz, Iloilo City**
- 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;
- i. We understand that this Bid, together with your written acceptance thereof included

¹ currently based on GPPB Resolution No. 09-2020

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 **Rehabilitation of Berthing Facility at Lapuz-Side of Iloilo River Wharf, Brgy. Lapuz, La Paz, Iloilo City.**
- l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

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

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

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

NOTE:

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

This Statement shall be supported by:

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

Name of Firm

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

Date

Revised: September 2021

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

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

NOTE :

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

Name of Firm

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

Date

Revised: August 2023

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

Major Categories of Work 1]	Unit of Measure 1]	Quantity 1]	SLCC similar to the contract to be bid 2]	Other completed contracts similar to the contract to be bid 2]				Unit of Measure 2]	Quantity 2]
			Name of the contract	Name of the contract	Name of the contract	Name of the contract			
1. Reinforced Concrete	cu.m.	170.00							
2. Portland Cement Concrete Pavement, PCCP (300mm thk.)	sq.m	505.00							
3. Mooring System	units	5.00							
4. Fendering System	units	4.00							
5. Electrical	units	2.00							

NOTE:

1] As stated in the Bid Data Sheet.

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

This statement shall be supported by:

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

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

c. Recapitulation and/ or Final Bill of Quantities.

Name of Firm

Name of Bidder/Authorized Representative
Signatory's Legal Capacity

Date

Revised: August 2023

FINANCIAL DATA

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

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

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

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

NFCC = _____

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

Name of Firm/Applicant

Authorized Signing Official

Date: _____

NOTES:

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

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

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

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

NOTE: 1] As stated in the Bid Data Sheet

2] The number of years of experience of the key personnel shall be as indicated in the qualification and experience data or curriculum vitae.

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

Project Manager - Five (5) years

Materials Engineer – One (1) year

Project Engineer - Three (3) years

Materials Engineer I – for projects costing up to 100M

Foreman - Five (5) years

Materials Engineer II – for projects costing more than 100M

Construction Safety and Health Officer – One (1) year

Name of Firm

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

Date

Revised: August 2023

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

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

DESCRIPTION (Type, Model, Make)	No. of Unit(s)	Capacity/ Output 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

Revised: August 2023

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 **REHABILITATION OF BERTHING FACILITY AT LAPUZ-SIDE OF ILOILO RIVER WHARF, BRGY. LAPUZ, LAPAZ, ILOILO CITY**, 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 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 **REHABILITATION OF BERTHING FACILITY AT LAPUZ-SIDE OF ILOILO RIVER WHARF, BRGY. LAPUZ, LAPAZ, ILOILO CITY**, 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. REPAIR OF DETERIORATED RC DECK

1. Demolish and dispose damaged RC Curb, RC Deck and RC Beams (Area = 720.00 sq.m.);
2. Demolish/chip/cut-off piles to desired elevation (117 piles);
3. Supply and place 3,500 psi Portland Cement Concrete (Volume = 340.00 cu.m.);
4. Supply and install steel reinforcement for Item 2.30 (64,993.00kgs)

B. REPAIR OF DAMAGED PAVEMENT

1. Break/excavate and dispose damaged PCCP (Area= 760.00 ln.m)
2. Excavation and disposal of earth fill (Area=760. 00sq.m)
3. Sub-grade Preparation (Area=760. 00sq.m)
4. Supply/spread/compact Item 200 base coarse (Volume= 114.00 cu.m)
5. Construct 300 mm thick PCCP, 3.500 psi (Area=760.00 sq.m).

C. MOORING AND FENDERING SYSTEM

1. Demolish/cut Fender Block on RC pile to desired elevation (13 blocks)
2. Construct New RC Fender Block on existing RC pile (13 blocks).
3. Remove and re-install existing 400Hx1000L RDF (9 units).
4. Supply and install new 400Hx1000L HV-Type RDF w/ complete accessories (8 units)
5. Supply and install 25-T Mooring Tee Head with complete accessories (9 units)

D. UPGRADING OF DAMAGED RORO RAMPS ON FILL

1. Chip upper portion of RC retaining wall and RC Curb (53.00 ln.m)
2. Built-up Existing RC Retaining Wall (31.3 ln.m)
3. Break damaged RC ramp on fill and remove ICPB (Area =250.00 sq.m)
4. Supply/spread/compact Item 200 base coarse (Volume = 88.00 sq.m)
5. Construct 300 mm thick PCCP, 3500 psi incldg. dowels (Area = 250.00 sq.m)

E. PORT LIGHTING SYSTEM

1. Provide RC Pedestal for 12-meter high floodlight tower (3 units)
2. Lay-out/Excavation/Backfilling Works for duct bank (Length =150.00m)
3. Relocate 12-m High Floodlight Pole (3units)
4. Supply and Install Controls for Three (3) Towerlights (3sets)
5. Supply/Deliver/Install Wirings and Lighting Fixtures (12 units)

NOTES:

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

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

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

Revised: August 2023

MANPOWER SCHEDULE

Name of Project : _____

Project Description : _____

Location : _____

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

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

Revised: August 2023

CASHFLOW BY QUARTER AND PAYMENT SCHEDULE

Name of Project: : _____

Project Description : _____

Location : _____

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

NOTES

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

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

Revised: August 2023

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

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

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]