1. Fender temperature shall be stabilized at 23 degrees plus or minus 5 degrees centigrade for at least 24 hours before compression testing.

2. Break-in of fender by deflecting 3 times to rated deflection.

3. Removed load from the RDF and allow recovering for a minimum of 1 hour.

4. Deflect RDF at speed of 2-8 cm/min once to rated deflection.

The testing apparatus shall be calibrated and certified within plus or minus 1% in accordance with ISO or equivalent JIS or ASTM requirements. Calibration shall be traceable to a national/international standard and shall be performed annually by an accredited third party organization. The RDF performance testing center shall be subjected to accreditation by PPA and notation and /or certification by DPWH-BRS prior to acceptance.

Inspection

All fenders of each type shall be inspected for compliance to specified dimensions and all fenders shall be inspected by the Engineer for any sign of flaw or defect inimical to its use.

All anchor bolts and fittings shall be inspected. The material used for the fabrication of bolts and fittings shall be covered by the manufacturer's certified mill certificate and shall be verified by the Authority.

All RDF items/units shall be clearly numbered and marked indicated the following:

Acceptance Tolerance

The acceptance tolerance shall be based on the following:

1. Fender Dimension

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

2. Anchor Bolt Holes in Fender

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

3. Acceptance tolerance for all fenders supplied shall be as follows:

E = Energy absorption,	E ≥ Specified E but not less than 10% of the specified E
R = Reaction force,	R ≤ Specified R but not more than

10% of the specified R

Marking

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

1. Fender type and manufacturer's name or trade mark
2. Production serial number
3. Date of manufacture or its abbreviation
4. Main dimensions
5. Project identification as follows:

Name of Port/Project:_____

Year supplied _____

Packaging

The fenders shall be packaged on wooden crate or wrapped individually with Polypropylene sheets except when shipped containerized. The bolts and fittings should be placed in crates and suitably treated for protection when transported by sea and stored in port areas.

EXECUTION

MOORING / FENDERING SYSTEM

All units shall be installed at the locations shown on the drawings and as directed by the Engineer.

ITEM 07 : PROJECT BILLBOARD

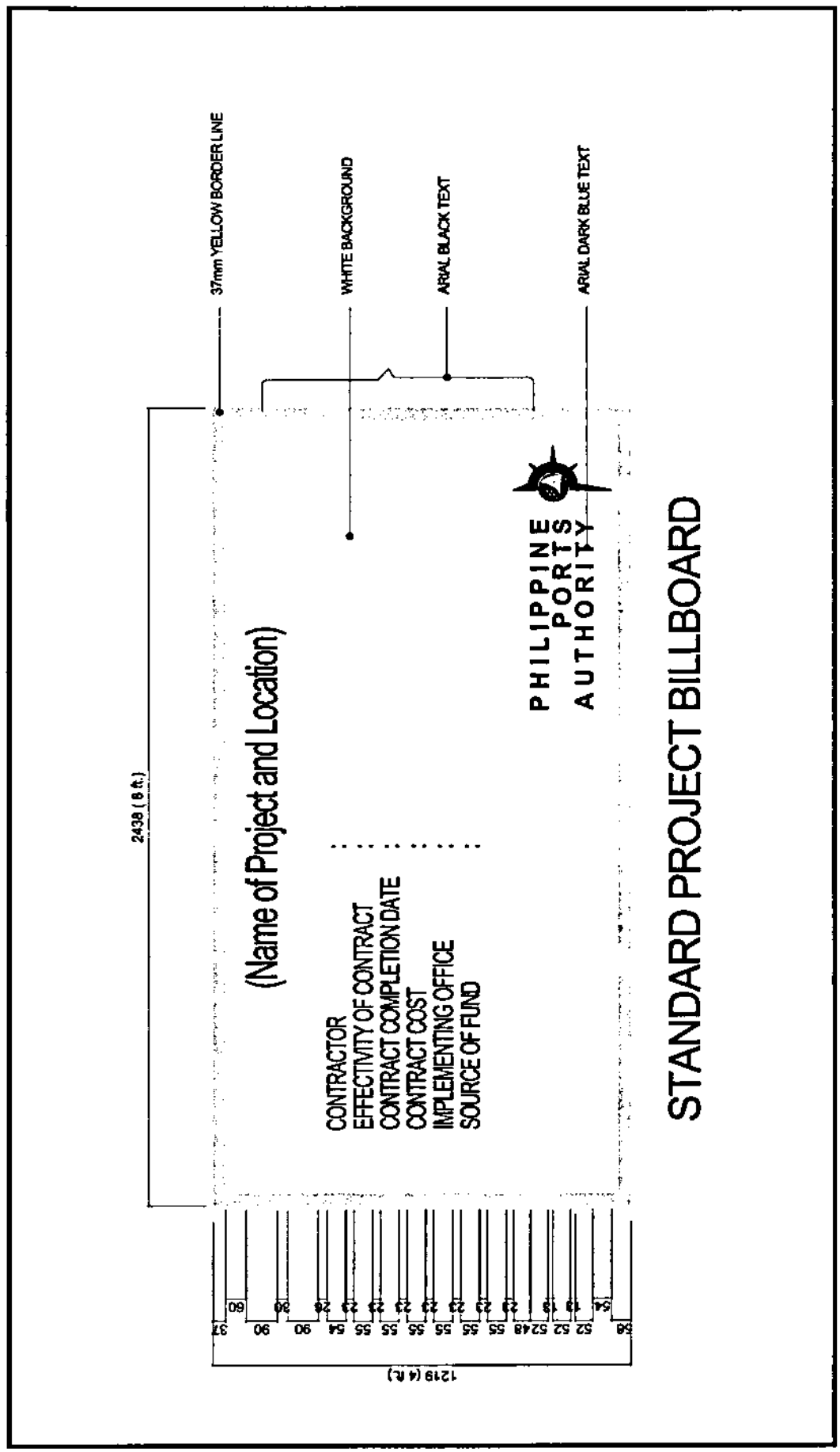
SPECIFICATION

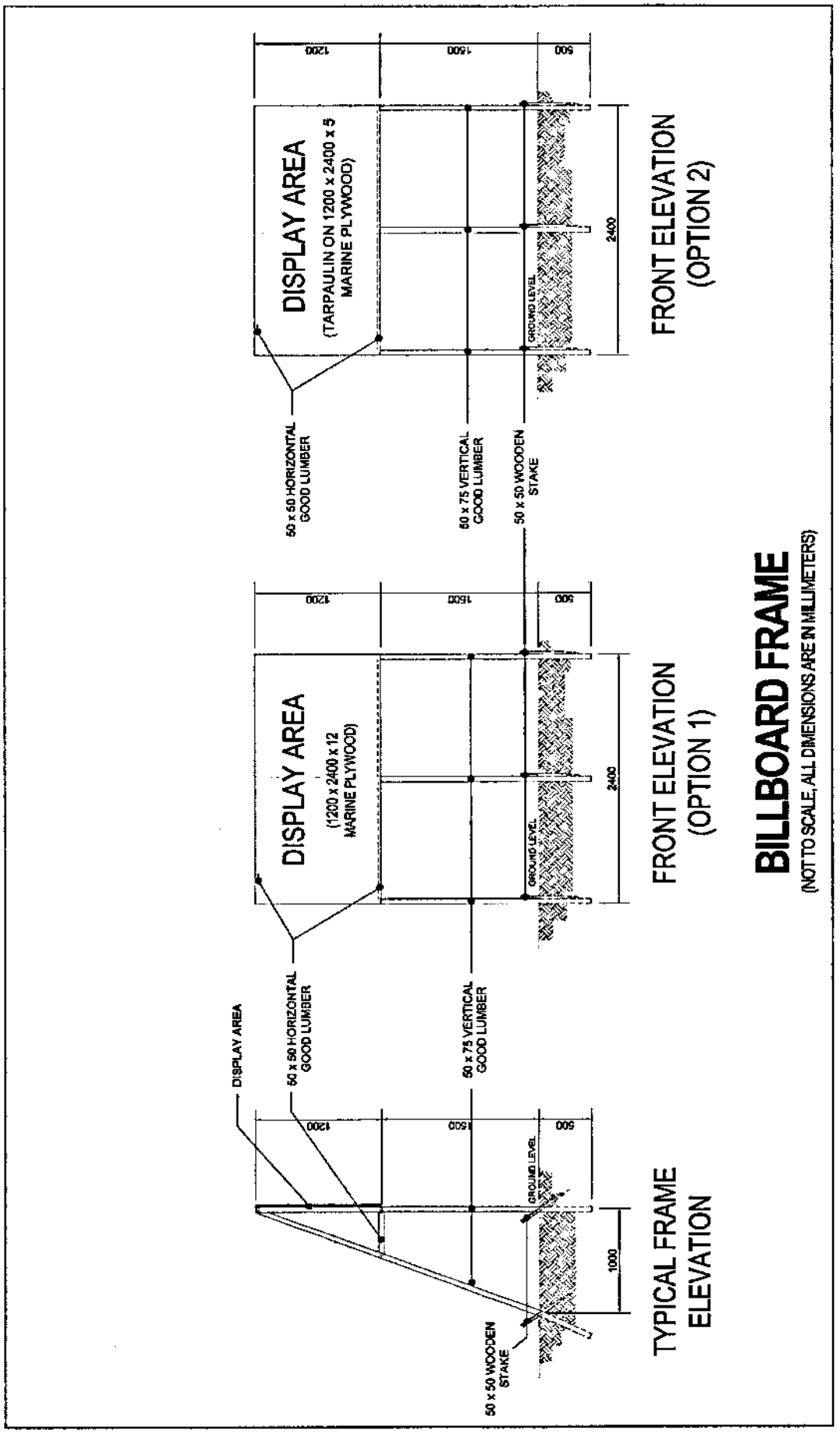
The Project Billboard shall be installed at location(s) designated by the Engineer.

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.


37mm YELLOW BORDER LINE
WHITE BACKGROUND
ARIAL BLACK TEXT
ARIAL DARK BLUE TEXT
STANDARD PROJECT BILLBOARD
PHILIPPINE PORTS AUTHORITY
(Name of Project and Location)
CONTRACTOR
EFFECTIVITY OF CONTRACT
CONTRACT COMPLETION DATE
CONTRACT COST
IMPLEMENTING OFFICE
SOURCE OF FUND
2438 (8 ft.)
1219 (4 ft.)


BILLBOARD FRAME
(NOT TO SCALE, ALL DIMENSIONS ARE IN MILLIMETERS)
FRONT ELEVATION
(OPTION 2)
DISPLAY AREA
(TARPAULIN ON 1200 x 2400 x 5
MARINE PLYWOOD)
50 x 50 HORIZONTAL
GOOD LUMBER
50 x 75 VERTICAL
GOOD LUMBER
50 x 50 WOODEN
STAKE
GROUND LEVEL
2400
1200
1600
500
FRONT ELEVATION
(OPTION 1)
DISPLAY AREA
(1200 x 2400 x 12
MARINE PLYWOOD)
TYPICAL FRAME
ELEVATION
DISPLAY AREA
1000

SECTION VII

DRAWINGS
(APPROVED PLANS)

SECTION VII

DRAWINGS AND APPROVED PLANS
(SEE ISSUED APPROVED PLANS)

LIST OF DRAWINGS:

1 of 10 - Port Layout Plan, Vicinity Map

2 of 10 - Plan of RC Pier, Piling and Framing of RC Pier

3 of 10 - Offshore Elevation of RC Pier, Section "Y"

4 of 10 - Section "Z", Typical Transverse Beam Reinforcement or RC Pier

5 of 10 - Typical Longitudinal Beam Reinforcement of RC Pier, Typical Detail of Beam, Typical Detail of Cantilever Beam, Detail of Curtain Wall w/ Concrete Curb, Detail of Tip

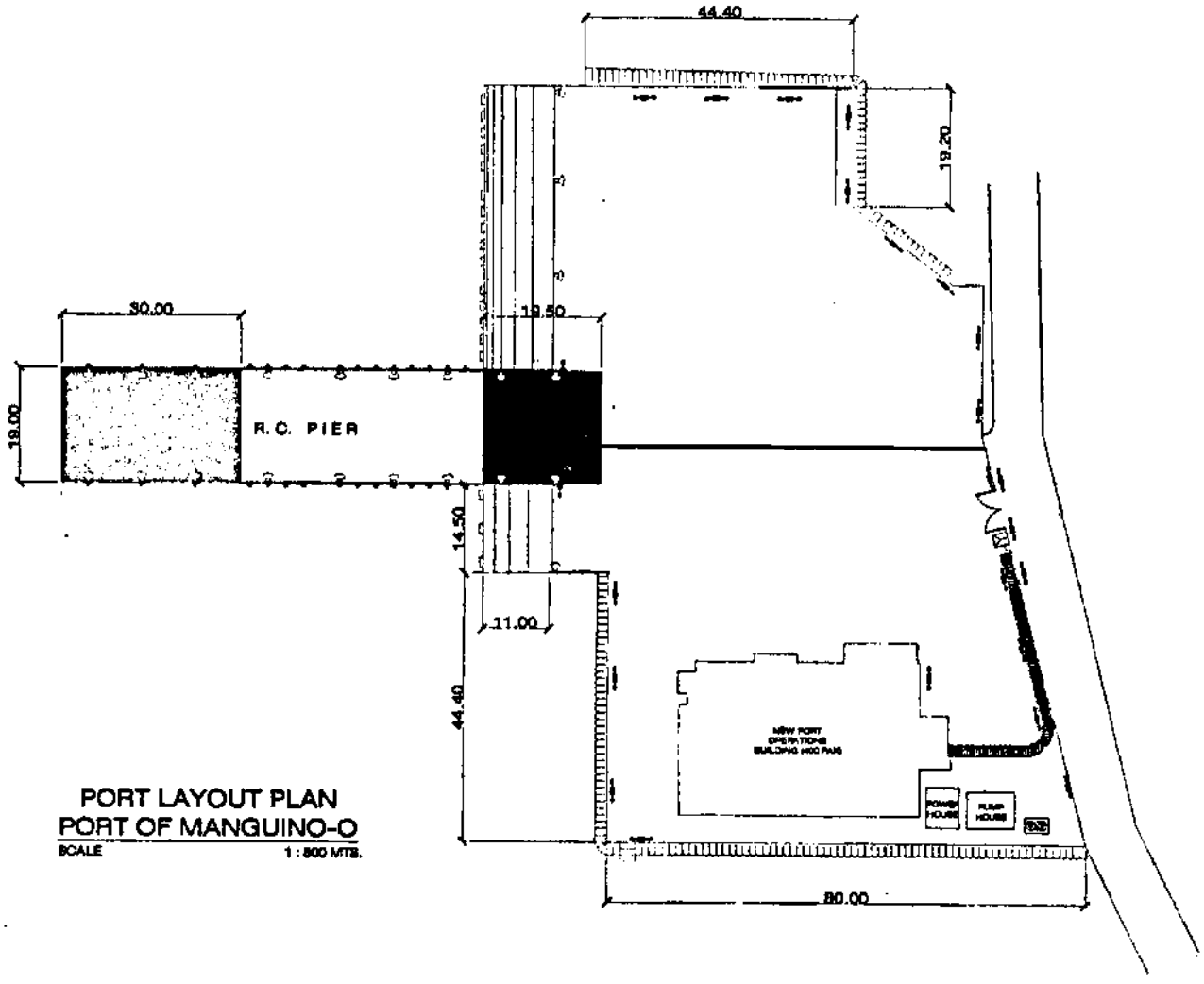
6 of 10 - Typical Reinforcement of Mooring Block at RC Pier, Typical Attachment of V-Type 400Hx1500L at RC Pier

7 of 10 - Detail of Build Up and Concrete Jacket Batter Pile, Detail of Build Up and Concrete Jacket Vertical Pile

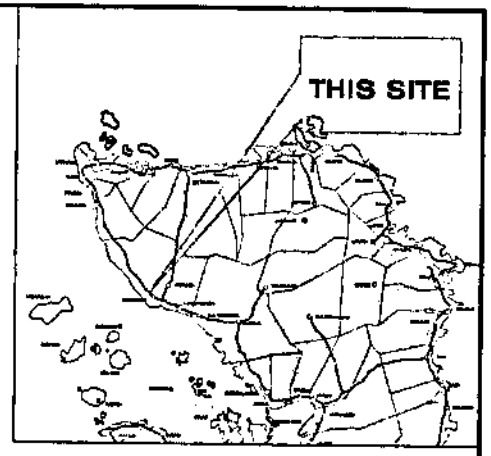
8 of 10 - Detail of Rubber Dock Fender V Type 400Hx1500L, Anchor Socket, Blow-up Detail, Performance Characteristics of 400Hx1500L (V-Type) CV2, Dimension Table

9 of 10 - 35 Tons Mooring Tee Head, Materials and Weight, Detail of Anchor Bolt

10 of 10 - Detail of Construction Joint, Blow Up Joint Detail, Detail of Drainage Cover



PORT LAYOUT PLAN
PORT OF MANGUINO-O
SCALE 1 : 500 MTS.

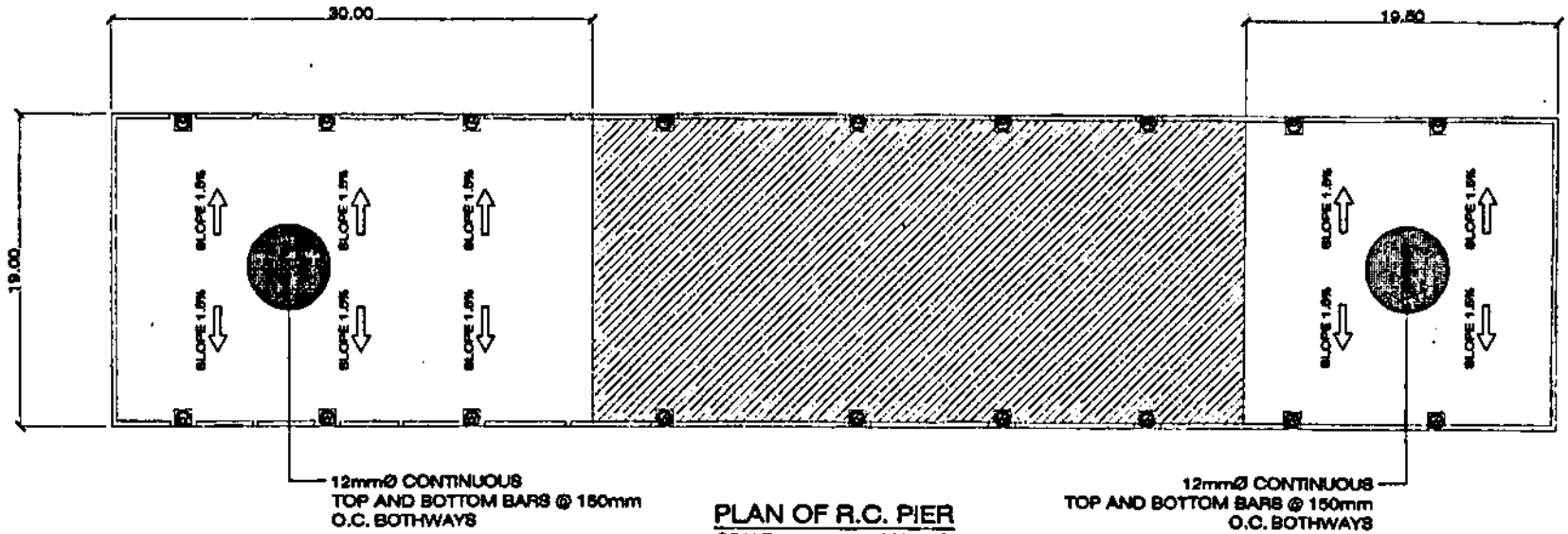


VICINITY MAP

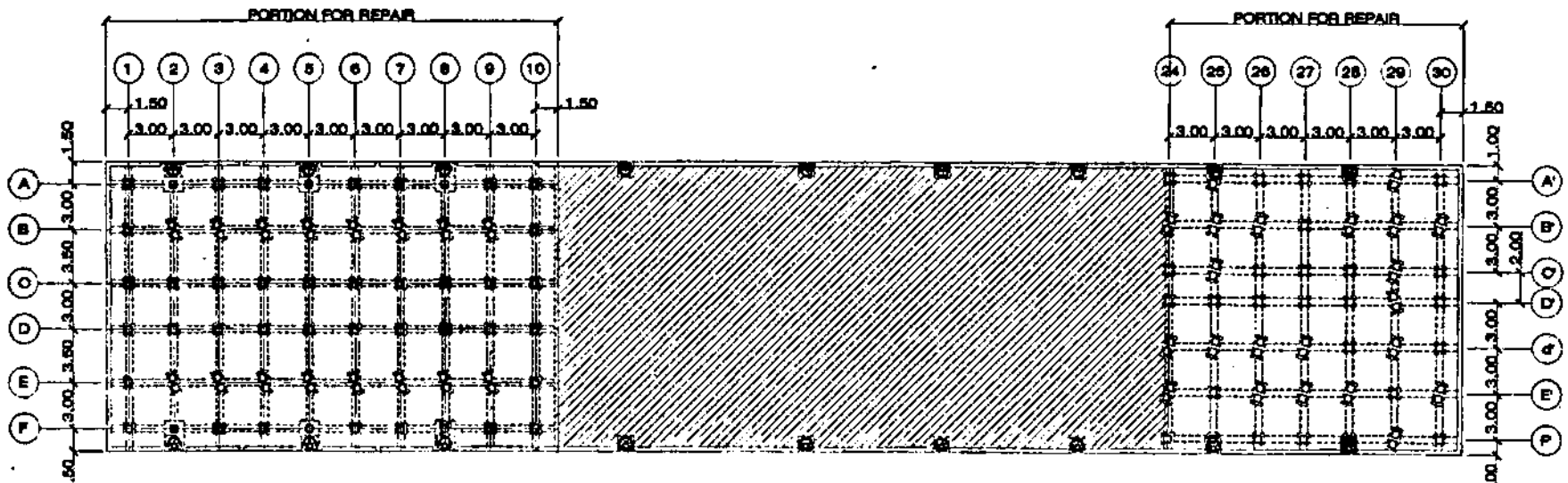
LEGEND:

- REPAIR OF R.C. DECK, 570 SQ.M.
- REPAIR OF R.C. SLAB, 370.5 SQ.M.
- REPAIR OF DRAINAGE CANAL, 65 L.M.

PROJECT TITLE:	PREPARED BY :	CHECKED BY :	RECOMMENDING APPROVAL :	APPROVED :	SHEET CONTENTS :	SHEET NO.:
RESTORATION OF DAMAGED R.C. PIER AT PORT OF MANGUINO-O Location: BRGY. MANGUINO-O, CALBAYOG, SAMAR	JAYIGUAT A. D. CAMERO Engineering Assistant - A	VICTOR [illegible] Acting Principal Engineer - A	ROSSANA Z. NUEVO Acting Division Manager, EBD	MANUEL A. BOHOLANO Port Manager	AS SHOWN	1 of 10

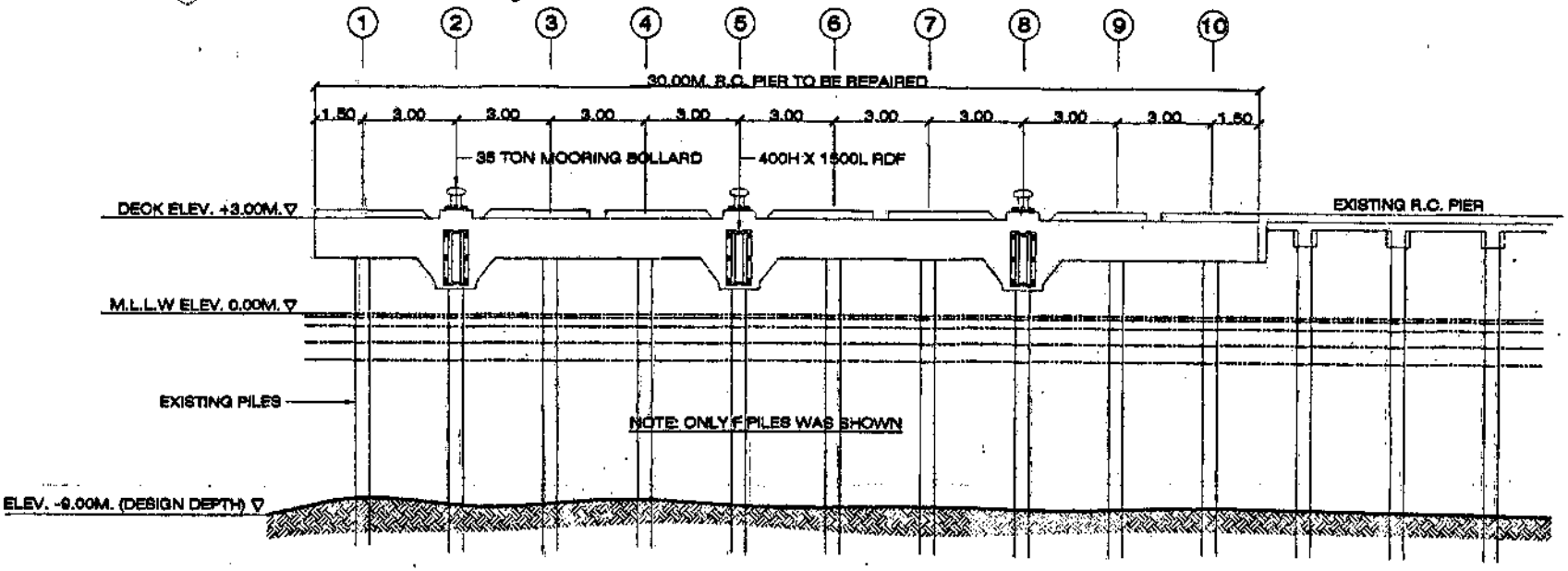


PLAN OF R.C. PIER
SCALE 1:300 MTS.



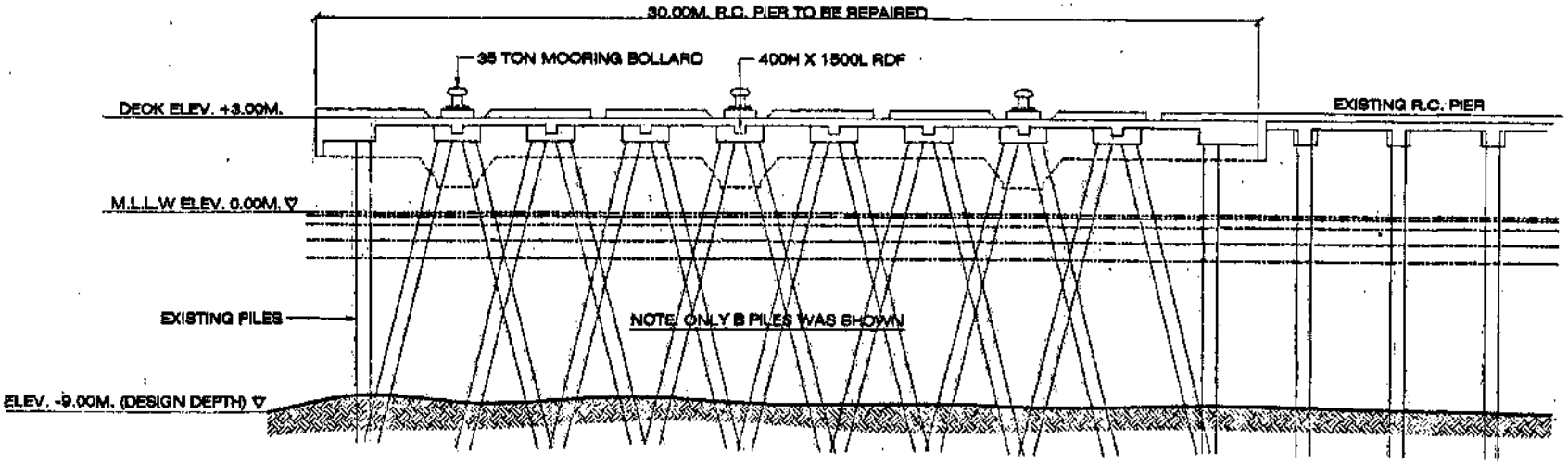
PILING AND FRAMING OF R.C. PIER
SCALE 1:300 MTS.

PROJECT TITLE	PREPARED BY :	CHECKED BY :	RECOMMENDING APPROVAL :	APPROVED :	SHEET CONTENTS :	SHEET NO. :
RESTORATION OF DAMAGED R.C. PIER AT PORT OF MANGUINO-O Location: BRGY. MANGUINO-O, CALBAYOG, SAMAR	JAYKURTZ O. CAMERO Engineering Assistant - A	VICTOR [illegible] O. HORIZON Acting Principal Engineer - A	ROSSANA Z. NUEVO Acting Division Manager, SBD	MANUEL A. BOHOLANO Port Manager	AS SHOWN	2 / 10



OFF-SHORE ELEVATION OF R.C. PIER

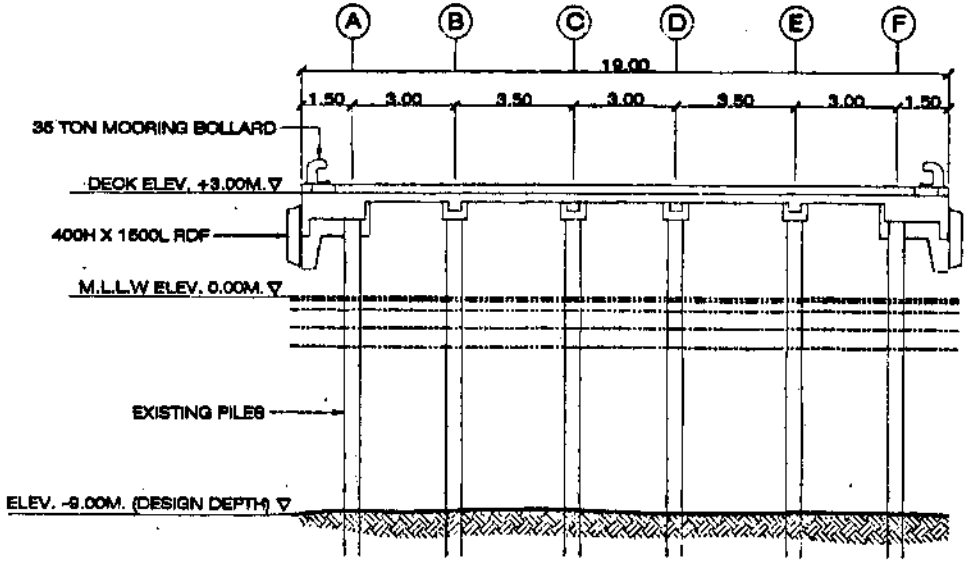
SCALE 1 : 150 MTS.



SECTION " Y "

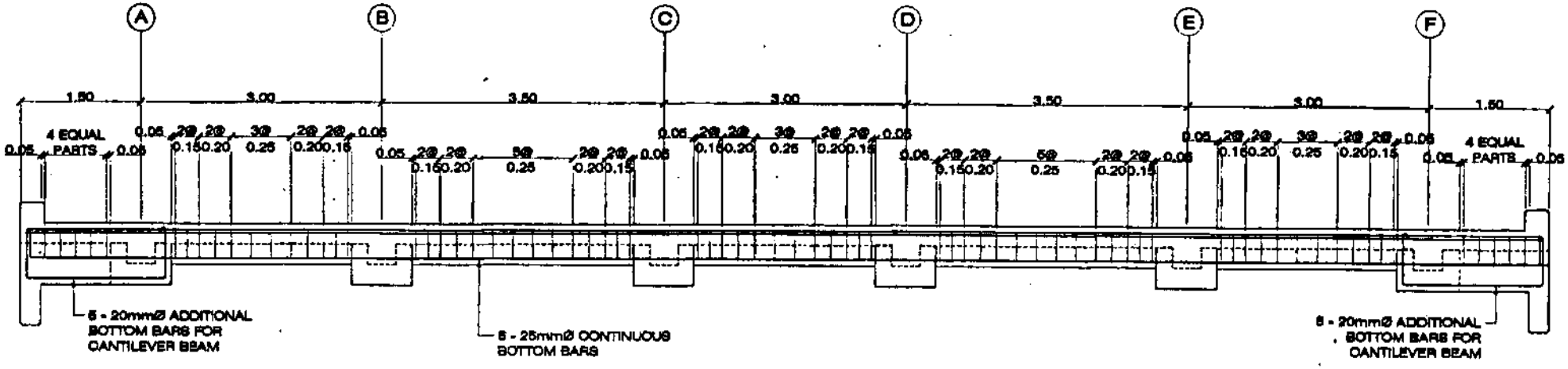
SCALE 1 : 150 MTS.

PROJECT TITLE:	PREPARED BY:	CHECKED BY:	RECOMMENDING APPROVAL:	APPROVED:	SHEET CONTENTS:	SHEET NO.:
RESTORATION OF DAMAGED R.C. PIER AT PORT OF MANGUINO-O Location: BRGY. MANGUINO-O, CALBAYOG, SAMAR	JAYKURT Z. D. CAMERO Engineering Assistant - A	VICTOR [illegible] Acting Principal Engineer - A	ROSSANA Z. NUEVO Acting Division Manager, BSO	MANUEL A. BOHOLANO Port Manager	AS SHOWN	3 / 10



SECTION "Z"

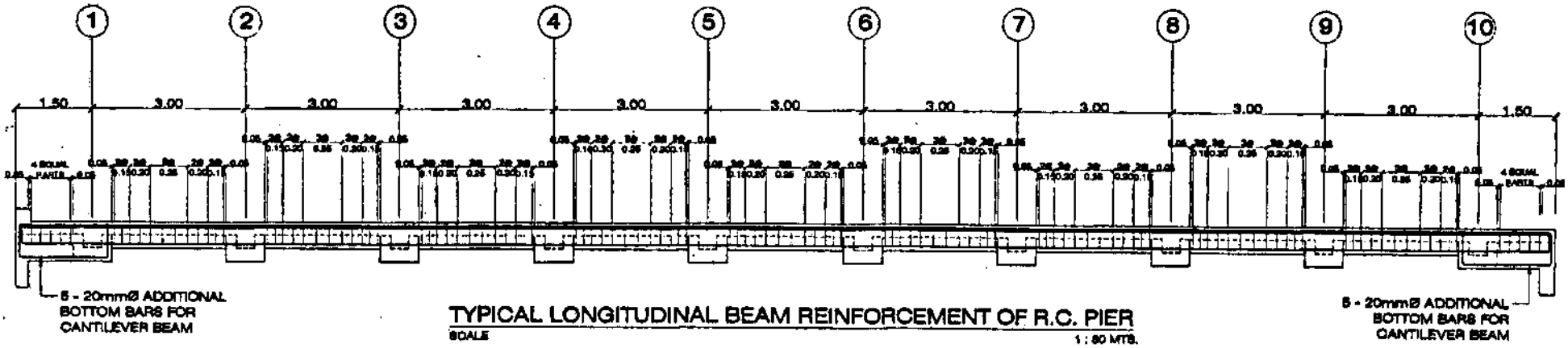
SCALE 1:150 MTS.



TYPICAL TRANSVERSE BEAM REINFORCEMENT OF R.C. PIER

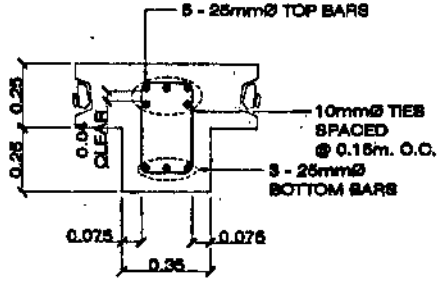
SCALE 1 : 50 MTS.

PHILIPPINE PORTS AUTHORITY	PROJECT TITLE: REHABILITATION OF DAMAGED R.C. PIER AT PORT OF MANQUINO-O Location: BRGY. MANQUINO-O, CALBAYOG, SAMAR	PREPARED BY: JAYKURTZ G. CAMERO, Engineering Assistant - A	CHECKED BY: VICTOR ANDRE C. [illegible], Acting Project Design Engineer	RECOMMENDING APPROVAL: ROSSANA Z. NUEVO, Acting Division Manager, ESD	APPROVED: MANUEL A. BOHOLANO, Port Manager	SHEET CONTENTS: AS SHOWN SHEET NO.: 4 / 10



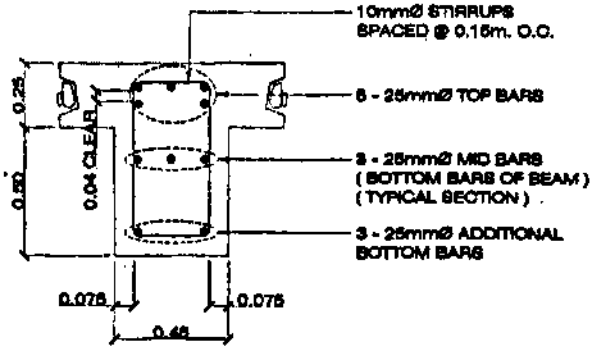
TYPICAL LONGITUDINAL BEAM REINFORCEMENT OF R.C. PIER

SCALE 1 : 80 MTS.



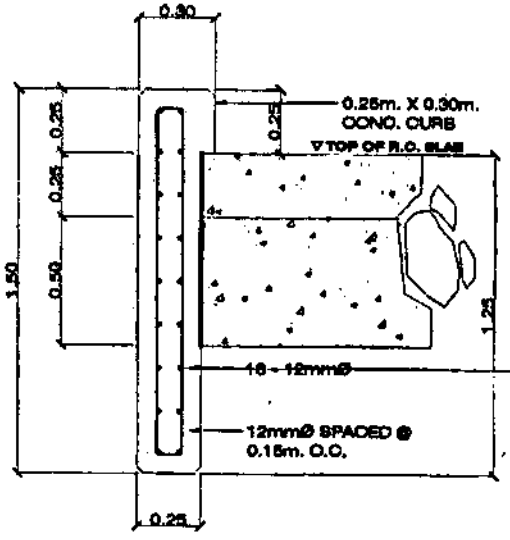
TYPICAL DETAIL OF BEAM

SCALE 1 : 20 MTS.



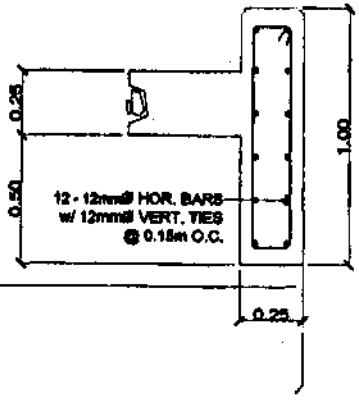
TYPICAL DETAIL OF CANTILEVER BEAM

SCALE 1 : 20 MTS.



DETAIL OF CURTAIN WALL w/ CONCRETE CURB

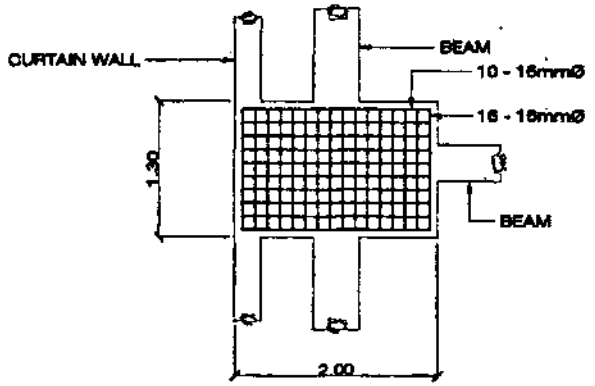
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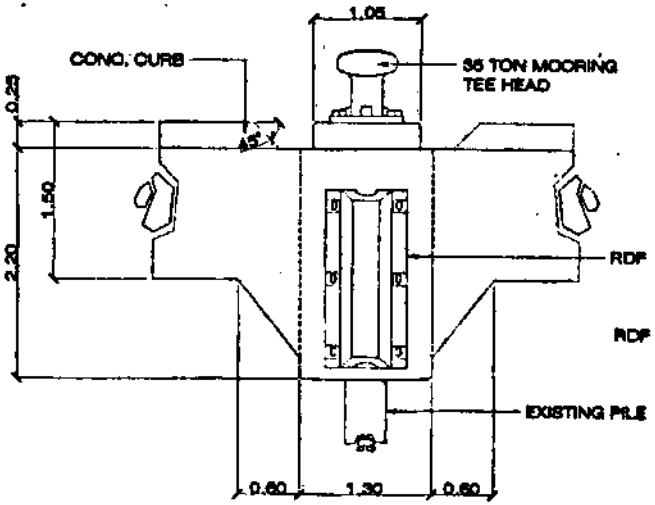
DETAIL OF TIP

SCALE 1 : 20 MTS.

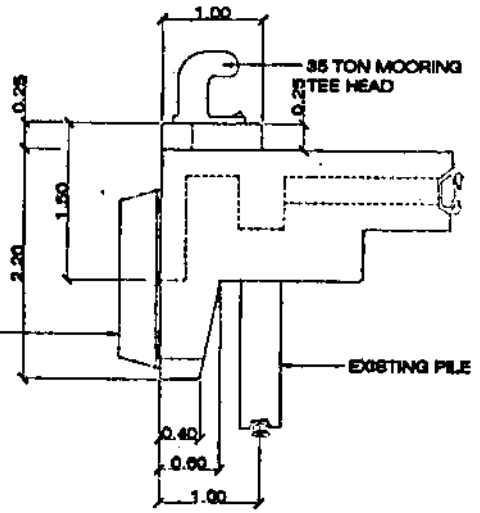
PHILIPPINE PORTS AUTHORITY	PROJECT TITLE: RESTORATION OF DAMAGED R.C. PIER AT PORT OF MANGUINO-O Location: BRGY. MANGUINO-O, CALBAYOG, SAMAR	PREPARED BY: JAYCURTZ O. CAMERO, Engineering Assistant - A	CHECKED BY: VICTOR [illegible] O. SINGZON, Acting Principal Engineer - A	RECOMMENDING APPROVAL: ROSSANA Z. NUEVO, Acting Division Manager, SBD	APPROVED: MANUEL A. BOHOLANO, Port Manager	SHEET CONTENTS: AS SHOWN	SHEET NO: 5 / 10



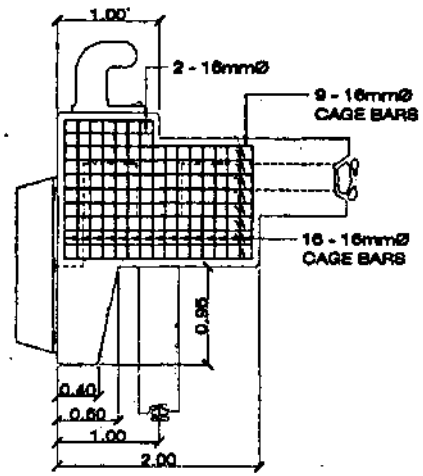
PLAN



FRONT SECTION



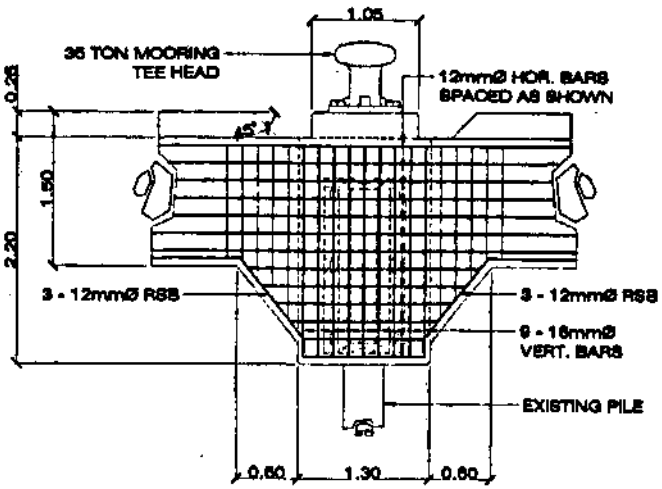
SIDE SECTION



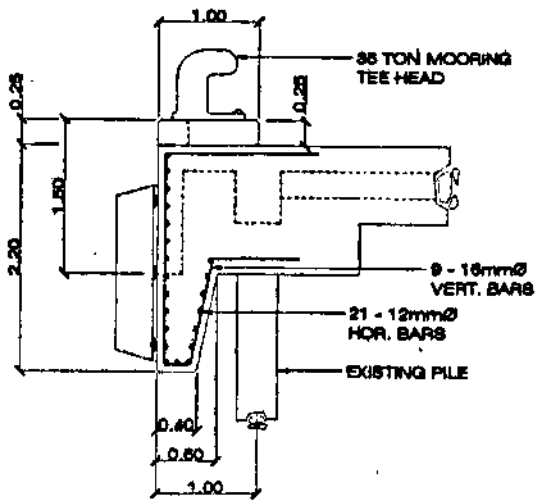
SECTION

TYPICAL REINFORCEMENT OF MOORING BLOCK @ R.C. PIER

SCALE 1 : 50 MTS.



FRONT SECTION

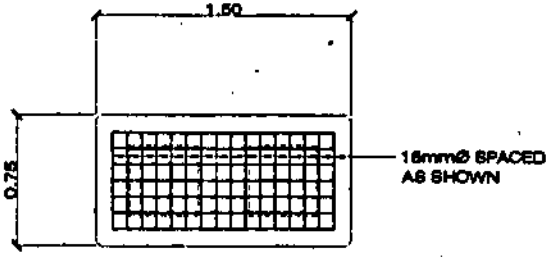


SIDE SECTION

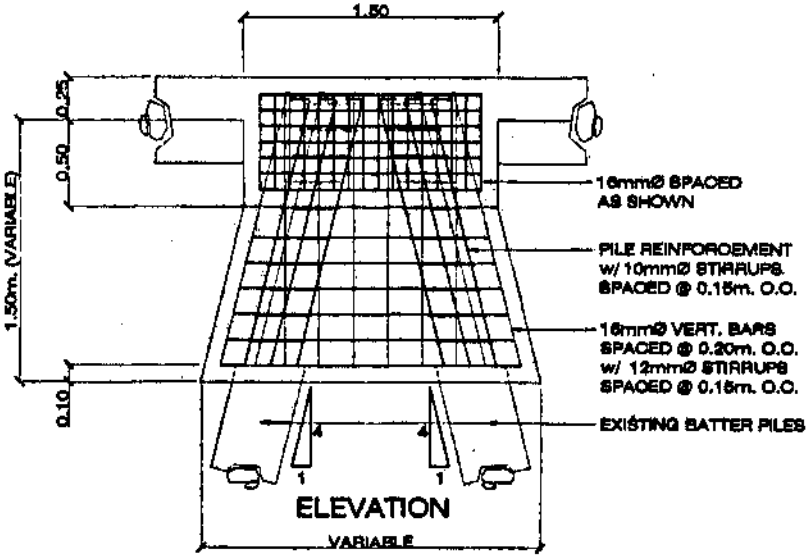
TYPICAL ATTACHMENT OF V-TYPE 400H X 1500L @ R.C. PIER

SCALE 1 : 50 MTS.

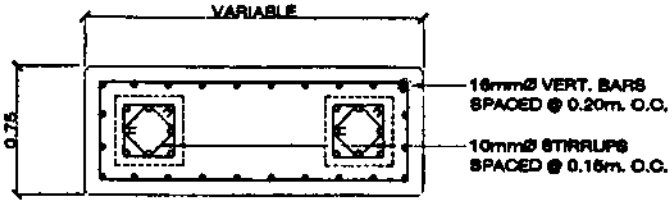
PROJECT TITLE: RESTORATION OF DAMAGED R.C. PIER AT PORT OF MANGUINO-O Location: BRGY. MANGUINO-O, CALBAYOG, SAMAR	PREPARED BY: JAYKURTZ G. CAMERO, Engineering Assistant - A	CHECKED BY: VICTOR [illegible], Acting Principal Engineer - A	RECOMMENDING APPROVAL: ROSARIO Z. NUEVO, Acting Division Manager, BSD	APPROVED: MANUEL A. BOHOLANO, Port Manager	SHEET CONTENTS: AS SHOWN SHEET NO.: 6/10 Date: Mar 2021



PILE CAP PLAN



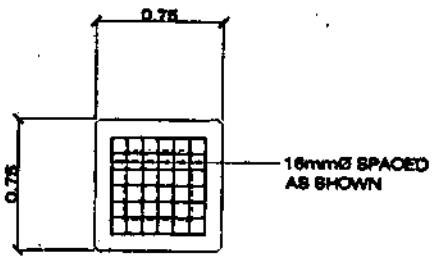
ELEVATION



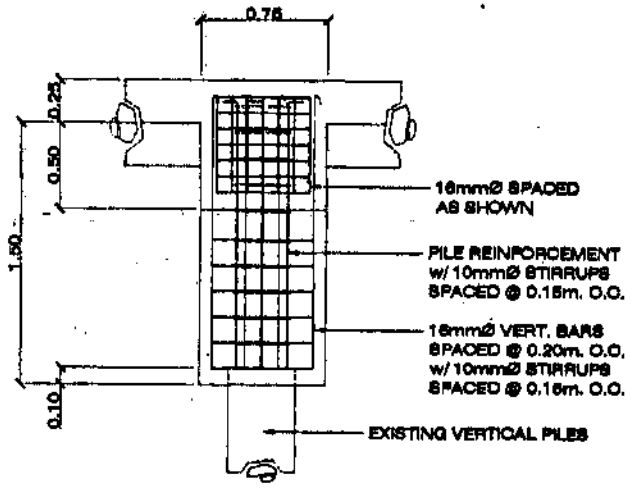
CONCRETE JACKET PLAN

DETAIL OF BUILD UP AND
CONCRETE JACKET BATTER PILE

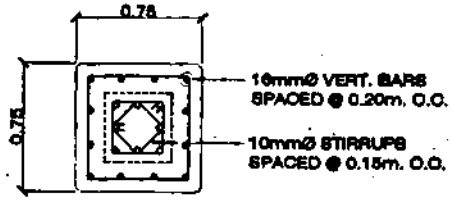
SCALE 1 : 30 MTS.



PLAN



ELEVATION

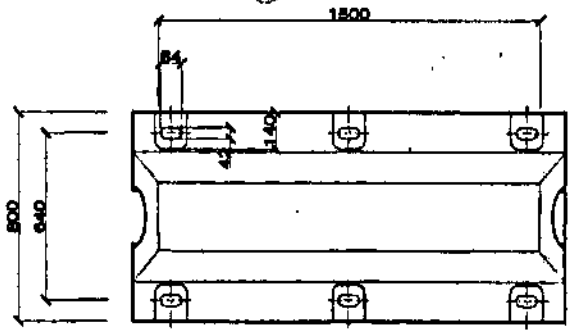


CONCRETE JACKET PLAN

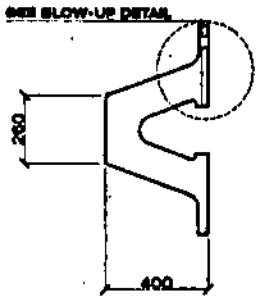
DETAIL OF BUILD UP AND
CONCRETE JACKET VERTICAL PILE

SCALE 1 : 30 MTS.

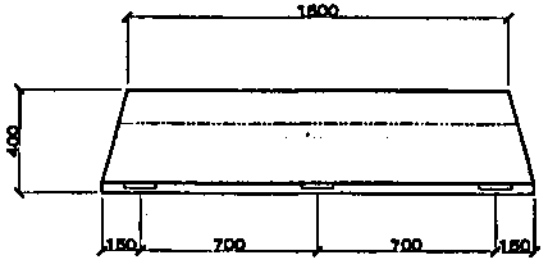
PROJECT TITLE:	PREPARED BY:	CHECKED BY:	RECOMMENDING APPROVAL:	APPROVED:	SHEET CONTENTS:	SHEET NO.:
RESTORATION OF DAMAGED R.C. PIER AT PORT OF MANGUINO-O Location: BRGY. MANGUINO-O, CALBAYOG, SAMAR	JAYKURTZ G. CAMERO Engineering Assistant - A	VICTOR JAVIER S. TIBURCIO Acting Principal Engineer - A	ROSSANA Z. NUEVO Acting Division Manager, SID	MANUEL A. BOHOLANO Port Manager	AS SHOWN	7/10



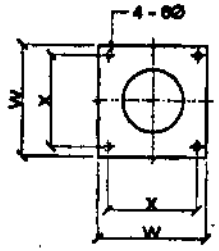
PLAN



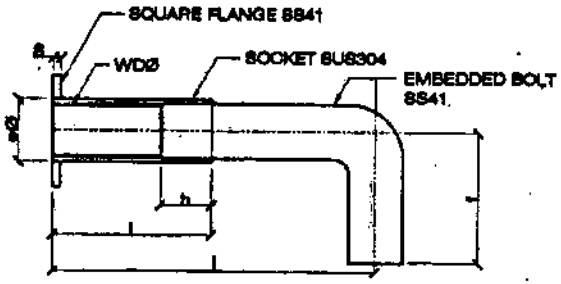
SIDE ELEVATION



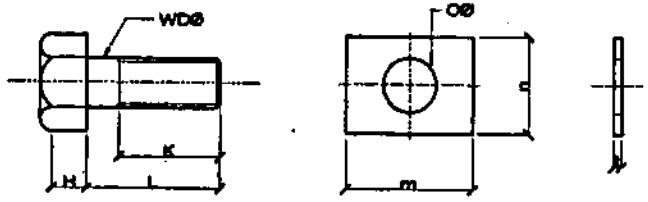
ELEVATION



FIXING BOLT SS41
(ZN COATING)



WASHER SS41
(ZN COATING)



ANCHOR SOCKET

DETAIL OF RUBBER DOCK FENDER
V-TYPE 400H X 1500L

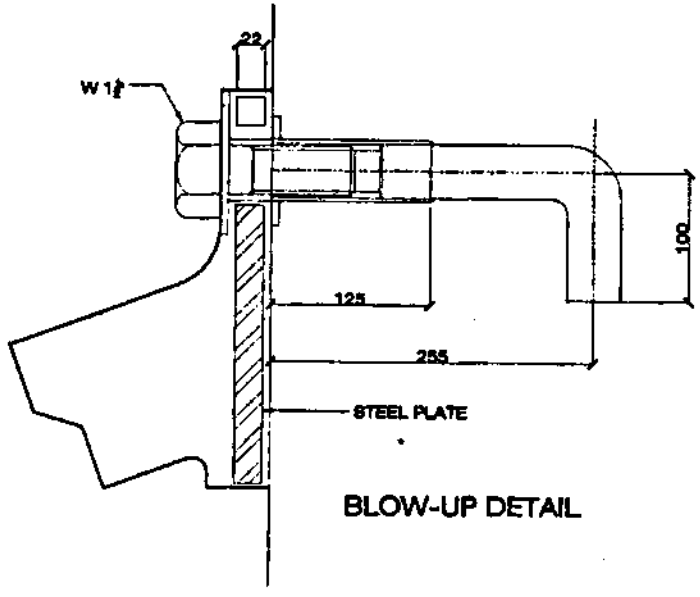
SCALE 1 : 20 MTS.

PERFORMANCE CHARACTERISTICS OF 400H (V-TYPE) CV2

AT RATED DEFLECTION OF FENDER (45%)		
REACTION FORCE	ENERGY ABSORPTION	HULL PRESSURE
TON	TON - M	TON / M²
45.0	6.0	96

DIMENSION TABLE

Parts WDØ	Anchor Socket								Bolt			Washer				Fender Model	Weight (Kg)
	e	f	h	i	j	e	W	X	K	L	H	m	n	o	t		
1 - 1¼	48	100	40	125	255	6	65	70	80	105	27	100	75	42	6	400 H 500 H	4.6



BLOW-UP DETAIL

PROJECT TITLE:
RESTORATION OF DAMAGED R.C. PIER AT PORT OF MANGUINO-O ,
Location: BRGY. MANGUINO-O, CALBAYOG, SAMAR

PREPARED BY:
JAYSURTZ D. DAMIRO
Engineering Assistant - A

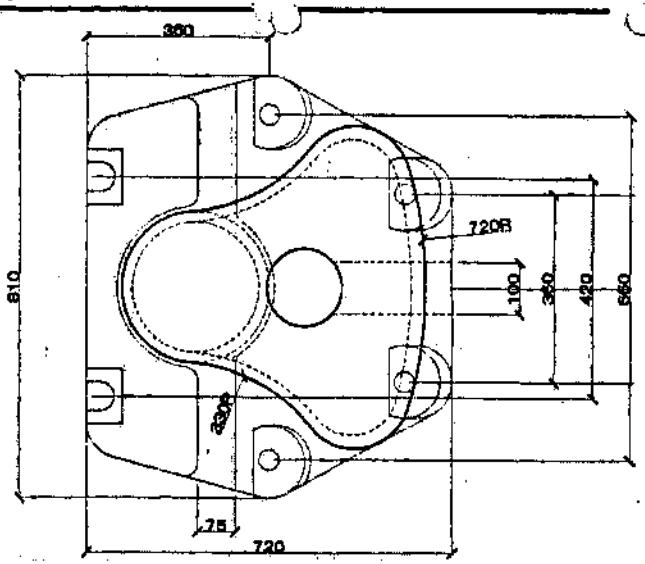
CHECKED BY:
VICTOR [illegible]
Acting Principal Engineer - A

RECOMMENDING APPROVAL:
ROSEMARIE T. NUEVO
Acting Division Manager, BID

APPROVED:
MANUEL A. BOHOLANO
Port Manager

SHEET CONTENTS: AS SHOWN

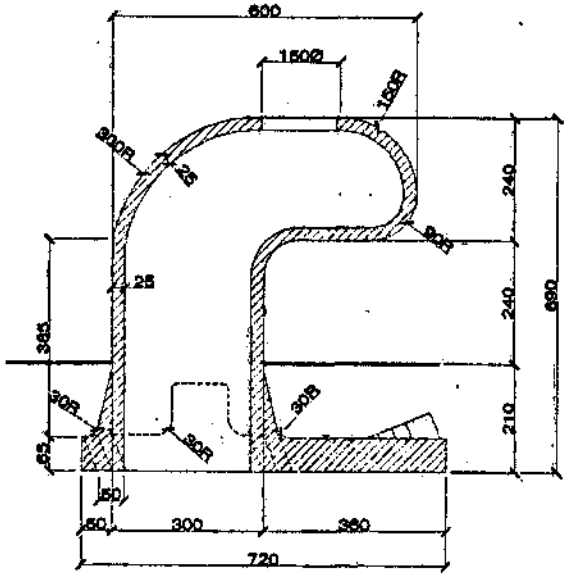
SHEET NO.: 9 / 10



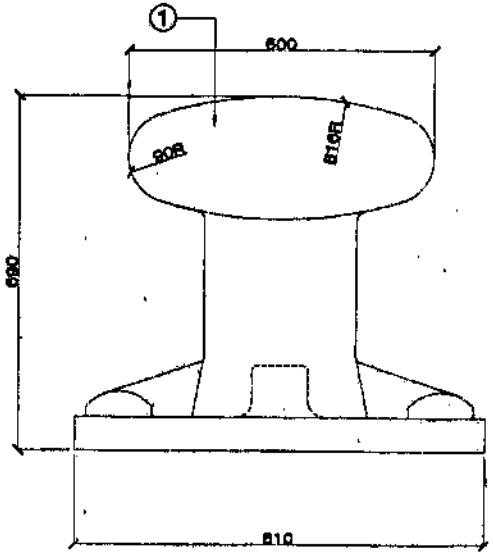
PLAN

MATERIALS AND WEIGHT

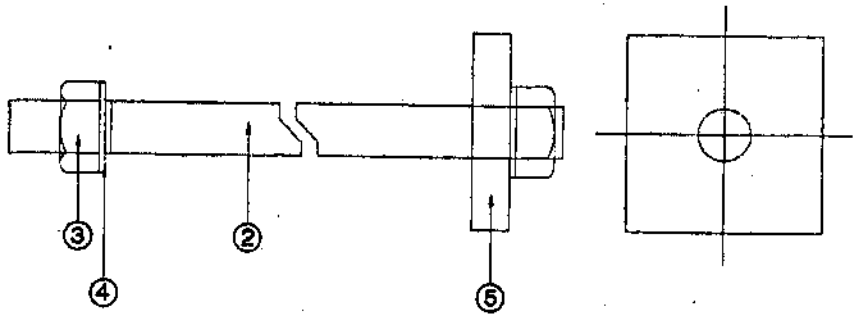
NO.	DESCRIPTION	MATERIAL AND SPECIFICATION	ALLOW STRESS (Kgf/cm²)	QTY.	WEIGHT PER Pc. (Kgf)	WT. (Kgf)
1	BODY	JIS G 5101 3 GRADE SC 46	1,400	1	440	440
2	ANCHOR BOLT	JIS G 3101 2 GRADE SS41 JIS B 0205 M 48-5	1,400	6	9	54
3	HEXAGON NUTS	JIS B 1181 I GRADE 4T. M16-5	-	12	-	-
4	PLAIN WASHER	JIS B 1256 ROUND STEEL	-	6	-	-
5	ANCHOR RING	JIS G 3101 2 GRADE SS41 OR JIS G 5101 3 GRADE SC46	1,400	6	8	48



SECTION



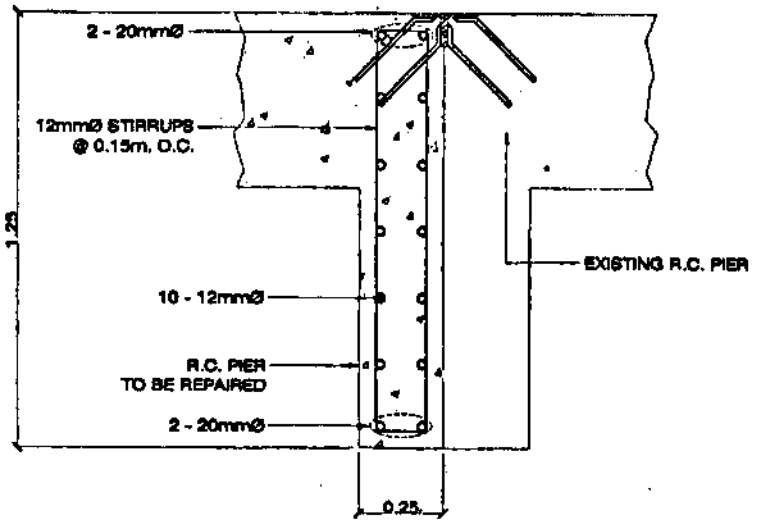
ELEVATION



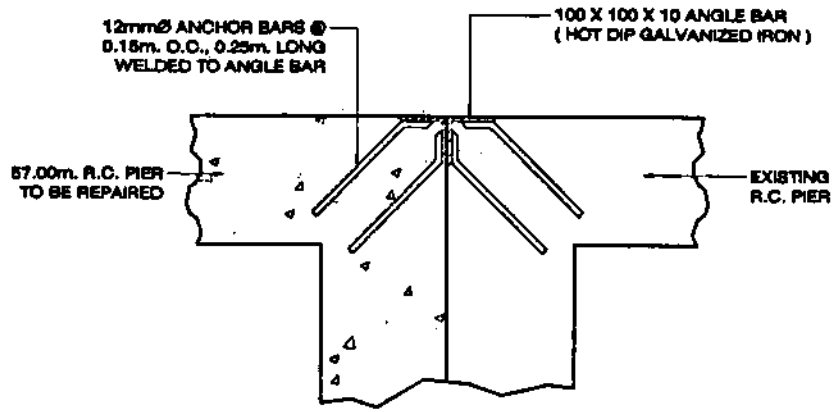
DETAIL OF ANCHOR BOLT
SCALE NTS.

35 TONS MOORING TEE HEAD
SCALE 1 : 10 MTS.

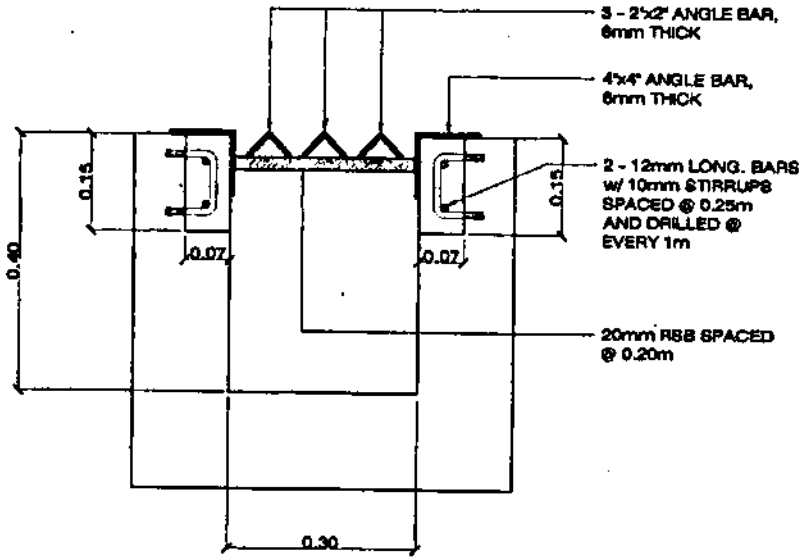
PHILIPPINE PORTS AUTHORITY	PROJECT TITLE: RESTORATION OF DAMAGED R.C. PIER AT PORT OF MANGUINO-O Location: BRGY. MANGUINO-O, CALBAYOG, SAMAR	PREPARED BY: JAYKURTZ G. CAMERO, Engineering Assistant - A	CHECKED BY: VICTOR PASCUAL C. SINGSON, Acting Principal Engineer - A	RECOMMENDING APPROVAL: ROSSANA Z. NUEVO, Acting Division Manager, BED	APPROVED: MANUEL A. BOHOLANO, Port Manager	SHEET CONTENTS: AS SHOWN	SHEET NO.: 9/10



DETAIL OF CONSTRUCTION JOINT
SCALE 1 : 15m.



BLOW-UP JOINT DETAIL
SCALE 1 : 10m.



DETAIL OF DRAINAGE COVER
SCALE 1:8M

	PROJECT TITLE: RESTORATION OF DAMAGED R.C. PIER AT PORT OF MANGUINO-O Location: BRGY. MANGUINO-O, CALBAYOG, SAMAR	PREPARED BY: JAYKURTZ U. DAMERO, Engineering Assistant - A	CHECKED BY: VICTOR ANGEL C. [illegible], Acting Principal Engineer - A	RECOMMENDING APPROVAL: ROSSANA Z. NUEVO, Acting Division Manager, EBD	APPROVED: MANUEL A. BOHOLANO, Port Manager	SHEET CONTENTS: AS SHOWN	SHEET NO.: 10/10

SECTION VIII

BILL OF QUANTITIES and ATTACHMENTS

BID SUMMARY

RESTORATION OF DAMAGED RC PIER AT PORT OF MANGUINO-O

Brgy. Manguino-o, Calbayog, Samar

NO.	DESCRIPTION OF WORK	AMOUNT (Pesos)
BILL NO. 1	General Expenses	
BILL NO. 2	Repair of Damaged Portion of R.C. Pier	
BILL NO. 3	Repair of Drainage Canal	
	BID PRICE	-

Name of Firm

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

Date

BILL OF QUANTITIES

RESTORATION OF DAMAGED RC PIER AT PORT OF MANGUINO-O

Brgy. Manguino-o, Calbayog, Samar

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO.	**1 General Expenses**				
1.1.1	Mobilization / Demobilization and clean-up	l.s.	1.00		
1.2.1	Provide Construction Safety and Health Program in the execution of the project	days	270.00		
TOTAL FOR BILL NO.1					-

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

BILL OF QUANTITIES

RESTORATION OF DAMAGED RC PIER AT PORT OF MANGUINO-O

Brgy. Manguino-o, Calbayog, Samar

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO.	**2 Repair of Damaged Portion of R.C. Pier**				
2.1.1	Removal of 10 units rubber dock fender and 7 units mooring bollard	no.	17.00		
2.1.2	Demolition of damaged r.c. deck and disposal of debris	sq.m	940.50		
2.2.1	Chipping of damaged R.C. piles to cut-off elevation	no.	76.00		
2.3.1	Supply and place 3500psi concrete jacket on 44 units single r.c. pile	cu.m	44.00		
2.3.2	Supply and place rebars for item 2.3.1	kgs.	4,398.55		
2.4.1	Supply and place 3500psi concrete jacket on 16 units double r.c. pile	cu.m	38.88		
2.4.2	Supply and place rebars for item 2.4.1	kgs.	3,194.42		
2.5.1	Supply and place 3500psi concrete for 370 l.m. r.c. beams	cu.m	37.74		
2.5.2	Supply and place rebars for item 2.5.1	kgs.	18,063.53		
2.6.1	Supply and deliver to site 35 tons mooring bollard	sets	6.00		
2.6.2	Supply and place 3500psi concrete for 6 units mooring blocks	cu.m	23.40		
2.6.3	Supply and place rebars for item 2.6.2	kgs.	1,174.28		

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

BILL OF QUANTITIES

RESTORATION OF DAMAGED RC PIER AT PORT OF MANGUINO-O

Brgy. Manguino-o, Calbayog, Samar

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
2.6.4	Handle and install 35 tons mooring bollard including accessories	no.	6.00		
2.7.1	Supply and place 0.25m thick 3500psi concrete on 940.50 sq.m. r.c slab	cu.m	235.13		
2.7.2	Supply and place rebars for item 2.7.1	kgs.	23,561.27		
2.8.1	Supply and place 3500 PSI concrete on 79 l.m. curtain wall and 19m joint	cu.m	42.88		
2.8.2	Supply and place rebars for item 2.8.1	kgs.	4,530.50		
2.9.1	Supply and deliver to site 400 x 1500 v-type r.d.f. including accessories	sets	6.00		
2.9.2	Handle and install 400 x 1500 v-type r.d.f. including accessories	no.	6.00		
TOTAL FOR BILL NO.2					-

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

BILL OF QUANTITIES

RESTORATION OF DAMAGED RC PIER AT PORT OF MANGUINO-O

Brgy. Manguino-o, Calbayog, Samar

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO.	**3 Repair of Drainage Canal**				
3.1.1	Removal of grills, cutting, chipping of 2 sides drain edge and disposal of waste	l.m	65.00		
3.2.1	Supply and place lintel beams on 2 sides	l.m	65.00		
3.3.1	Supply, fabricate and install grill cover	l.m	65.00		
TOTAL FOR BILL NO.3					-

_____

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 1.1.1 Mobilization and Demobilization and Clean-up

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 1.2.1 Provide Construction Safety and Health Program in the execution of the Project

The quantity to be paid for shall be the actual implementation of construction safety and health program and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, 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 DAMAGED PORTION OF RC PIER

Item 2.1.1 Removal of 10 Units Rubber Dock Fender and 7 Units Mooring Bollard

The quantity to be paid for shall be the actual number of pieces of removed and turn over RDF and Bollards to the Engineer 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 2.1.2 Demolition of Damaged RC Deck and Disposal of Debris

Demolition/breaking and Disposal of Damaged Existing Structures to be paid for shall be measured by square meters of the structures in its original position for material actually demolished and disposed. The quantities determined will be paid for at the contract unit prices for the pay items as shown in the Bill of Quantities which prices and payment shall be the full compensation for the demolition and disposal of all materials inclusive of all labor, equipment, tools and incidentals necessary to complete the items and as certified by the Engineer.

Item 2.2.1 Chipping of Damaged RC Piles to Cut-off Elevation

The quantity to be paid for shall be the actual number of piles chipped 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 2.3.1 Supply and Place 3500psi Concrete Jacket on 44 Units Single RC Pile

The quantities measured as provided above, shall be paid for at the contract unit price according to the class of concrete for the pay item shown in the Bill of Quantities. The unit price shall be considered to include expansion joints, vapor barrier and sealant, form oil coating, synthetic fibrous reinforcement/admixtures where required, necessary accesses for pipes, conduits, sewer drains and the like and work required for placing concrete in the final position including material, batching, mixing, transporting, handling, placing, compacting, curing, protection and finishing of concrete surfaces.

Item 2.3.2 Supply and Place Rebars for Item 2.3.1

The quantity of reinforcing steel bars to be paid for shall be measured (as in 3.2.21.1.3) by the weight of reinforcing steel bars supplied and installed completely and certified by the Engineer for payment. The cost shall constitute full compensation for furnishing materials, labor, equipment, tools, and incidentals necessary to complete reinforcing steel works as indicated in the Bill of Quantities.

Item 2.4.1 Supply and Place 3500psi Concrete Jacket on 16 Units Double RC Pile

The quantities measured as provided above, shall be paid for at the contract unit price according to the class of concrete for the pay item shown in the Bill of Quantities. The unit price shall be considered to include expansion joints, vapor barrier and sealant, form oil coating, synthetic fibrous reinforcement/admixtures where required, necessary accesses for pipes, conduits, sewer drains and the like and work required for placing concrete in the final position including material, batching, mixing, transporting, handling, placing, compacting, curing, protection and finishing of concrete surfaces.

Item 2.4.2 Supply and Place Rebars for Item 2.4.1

The quantity of reinforcing steel bars to be paid for shall be measured (as in 3.2.21.1.3) by the weight of reinforcing steel bars supplied and installed completely and certified by the Engineer for payment. The cost shall constitute full compensation for furnishing materials, labor, equipment, tools, and incidentals necessary to complete reinforcing steel works as indicated in the Bill of Quantities.

Item 2.5.1 Supply and Place 3500psi Concrete for 370 l.m. RC Beams

The quantities measured as provided above, shall be paid for at the contract unit price according to the class of concrete for the pay item shown in the Bill of Quantities. The unit price shall be considered to include expansion joints, vapor barrier and sealant, form oil coating, synthetic fibrous reinforcement/admixtures where required, necessary accesses for pipes, conduits, sewer drains and the like and work required for placing concrete in the final position including material, batching, mixing, transporting, handling, placing, compacting, curing, protection and finishing of concrete surfaces.

Item 2.5.2 Supply and Place Rebars for Item 2.5.1

The quantity of reinforcing steel bars to be paid for shall be measured (as in 3.2.21.1.3) by the weight of reinforcing steel bars supplied and installed completely and certified by the Engineer for payment. The cost shall constitute full compensation for furnishing materials, labor, equipment, tools, and incidentals necessary to complete reinforcing steel works as indicated in the Bill of Quantities.

Item 2.6.1 Supply and Deliver to Site 35 Tons Mooring Bollard

The quantity to be paid for shall be the actual sets of Mooring Bollard delivered to site and completed 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 2.6.2 Supply and Place 3500psi Concrete for 6 Units Mooring Blocks

The quantities measured as provided above, shall be paid for at the contract unit price according to the class of concrete for the pay item shown in the Bill of Quantities. The unit price shall be considered to include expansion joints, vapor barrier and sealant, form oil coating, synthetic fibrous reinforcement/admixtures where required, necessary accesses for pipes, conduits, sewer drains and the like and work required for placing concrete in the final position including material, batching, mixing, transporting, handling, placing, compacting, curing, protection and finishing of concrete surfaces.

Item 2.6.3 Supply and Place Rebars for Item 2.6.2

The quantity of reinforcing steel bars to be paid for shall be measured (as in 3.2.21.1.3) by the weight of reinforcing steel bars supplied and installed completely and certified by the Engineer for payment. The cost shall constitute full compensation for furnishing materials, labor, equipment, tools, and incidentals necessary to complete reinforcing steel works as indicated in the Bill of Quantities.

Item 2.6.4 Handle and install 35 tons mooring bollard including accessories

The quantity to be paid for shall be the actual number of Mooring Bollard installed and completed 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 2.7.1 Supply and Place 0.25m Thick 3500psi Concrete on 940.50 sq.m. RC Slab

The quantities measured as provided above, shall be paid for at the contract unit price according to the class of concrete for the pay item shown in the Bill of Quantities. The unit price shall be considered to include expansion joints, vapor barrier and sealant, form oil coating, synthetic fibrous reinforcement/admixtures where required, necessary accesses for pipes, conduits, sewer drains and the like and work required for placing concrete in the final position including material, batching, mixing, transporting, handling, placing, compacting, curing, protection and finishing of concrete surfaces.

Item 2.7.2 Supply and Place Rebars for Item 2.7.1

The quantity of reinforcing steel bars to be paid for shall be measured (as in 3.2.21.1.3) by the weight of reinforcing steel bars supplied and installed completely and certified by the Engineer for payment. The cost shall constitute full compensation for furnishing

materials, labor, equipment, tools, and incidentals necessary to complete reinforcing steel works as indicated in the Bill of Quantities.

Item 2.8.1 Supply and Place 3500 PSI Concrete on 79 l.m. Curtain Wall and 19m Joint

The quantities measured as provided above, shall be paid for at the contract unit price according to the class of concrete for the pay item shown in the Bill of Quantities. The unit price shall be considered to include expansion joints, vapor barrier and sealant, form oil coating, synthetic fibrous reinforcement/admixtures where required, necessary accesses for pipes, conduits, sewer drains and the like and work required for placing concrete in the final position including material, batching, mixing, transporting, handling, placing, compacting, curing, protection and finishing of concrete surfaces.

Item 2.8.2 Supply and Place Rebars for Item 2.8.1

The quantity of reinforcing steel bars to be paid for shall be measured (as in 3.2.21.1.3) by the weight of reinforcing steel bars supplied and installed completely and certified by the Engineer for payment. The cost shall constitute full compensation for furnishing materials, labor, equipment, tools, and incidentals necessary to complete reinforcing steel works as indicated in the Bill of Quantities.

Item 2.9.1 Supply and Deliver to Site 400 x 1500 V-Type RDF Including Accessories

The quantity to be paid for shall be the actual sets of Rubber Dock Fenders delivered to site and completed 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 2.9.2 Handle and Install 400 x 1500 V-Type RDF Including Accessories

The quantity to be paid for shall be the actual number of Rubber Dock Fenders installed and completed 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 DRAINAGE CANAL

Item 3.1.1 Removal of Grills, Cutting, Chipping of 2 Sides Drain Edge and Disposal of Waste

The quantity to be paid for shall be the actual length of grills removed, and cut and chipped edge 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 3.2.1 Supply and Place Lintel Beams on 2 sides

The Quantity to be paid for shall be the actual length in linear meters of lintel beam cast on both sides in accordance with the plans and specifications and accepted by the Engineer. The unit price shall be considered to include rebars, forms, and work required for placing concrete in the final position including material, batching, mixing, transporting, handling, placing, compacting, curing, protection and finishing of concrete surfaces.

Item 3.3.1 Supply, fabricate and install grill cover

The quantity of fabricated and installed grill cover to be paid for shall be measured by the actual length of area installed completely and certified by the Engineer for payment. The cost shall constitute full compensation for furnishing materials, labor, equipment, tools, and incidentals necessary to complete the work as indicated in the Bill of Quantities.

MINIMUM MAJOR EQUIPMENT REQUIREMENTS

1	unit	Truck-mounted Crane, 10 Tons Capacity, owned/leased
1	unit	Backhoe (0.4cu.m., 94.3hp), owned/leased
2	units	Dump Truck (6.88-9.17cu.m.), owned/leased
1	unit	Jackhammer, owned/leased
1	unit	Air Compressor, 250 CFM, owned/leased
2	units	Oxy/Acetylene Cutting Outfit, owned
2	units	Electric Jackhammer, owned
1	unit	Generator Set (10kVA), owned/leased
1	unit	Concrete Mixer, One Bagger, owned
1	unit	Concrete Vibrator (3.5hp), owned
1	unit	Electric Bar Cutter (25mmØ, minimum), owned/leased
1	unit	Electric Bar Bender (25mmØ, minimum), owned/leased
1	unit	Welding Machine, 300 Amps, owned
1	unit	Diesel Driven Concrete Pump, owned/leased
1	unit	Concrete Cutter (5hp), owned
1	unit	Backhoe Breaker Attachment, owned/leased

CONSTRUCTION SAFETY AND HEALTH REQUIREMENT

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

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

The Contractor shall provide the following minimum requirements:

L A B O R

1 no. Safety Officer

EQUIPMENT / MATERIALS

Personnel Protective Equipment

25 sets. Personal Protective Equipment (Helmets, shoes, belts, gloves, etc.)

Safety Devices

1 lot Safety Devices (barricades, warning signs, fire extinguisher, & other.)

Medical and First Aid System - 270 CD

NOTE:

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

PPA MEMORANDUM CIRCULAR
No 02
Series of 2016
Attachment

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

Materials/Items of Work	*Required Tests*	*Minimum Incremental Frequency of Tests*
I. Construction of Pier/Wharf, Platform and Ramp		
Structural Concrete (SC)		
A Portland Cement	Quality Test	For every 2,000 bags (40kg) or fraction thereof
B Fine Aggregate	Quality Test for Grading, Elutriation (wash), Bulk Specific Gravity, Absorption, Mortar Strength, Soundness, Organic Impurities, Unit Weight, % Clay Lumps and Shale	For every 1,500 cubic meter or fraction thereof
C Coarse Aggregate	Quality Test for Grading, Bulk Specific Gravity, Absorption and Abrasion	For every 1,500 cubic meter or fraction thereof
D Water	Certificate from the Engineer or Quality Test for Density and Chloride Content	One per source
E Steel Bars	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

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)	
	- Under 14" (355 60mm) Outside Diameter	2 from 200 pipe of fraction thereof
	- 14" to 36" (355 6 to 914mm) Outside Dia	2 from 100 pipe or fraction thereof
	- Over 36" (914mm) Outside Diameter	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	All units
	Performance Test for Energy Absorption and Reaction Force	All units
Accessories		
Washer and Fixing Bolt, Anchor Bolt	Physical Test	All units
	Quality Test for Chemical Composition and Mechanical Properties	One per fabrication

PPA MEMORANDUM CIRCULAR
No 02
Series of 2016
Attachment

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 Coase Aggregates	Same Test as for SC (C)	Same frequency as SC (C)
B Steel Pipe Piles		
1 Steel	Same test as for P (B1)	Same frequency as P (B1)
2 Concrete	Same test as for SC (F)	Same frequency as SC (F)
3 Fine Aggregate	Same test as for SC (B)	Same frequency as SC (B)
4 Steel Bars	Same test as for SC (E)	Same frequency as SC (E)

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

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Materials/Items of Work	*Required Tests*	*Minimum Incremental Frequency of Tests*
G Admixture and Concrete Curing Material	Same test as for SC (G)	Same frequency as SC (G)
H Concrete	Same test as for SC (F)	Same frequency as SC (F)
	Flexural Test	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	All units
	Coating Thickness Magnetic Thickness Measurement	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	For every 1,500 cubic meter or fraction thereof
	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
B Structure Excavation	If excavated materials shall be used as Backfill Grading Test Plasticity Test (LL,PL,PI) Laboratory Compaction Test	For every 1,500 cubic meter or fraction thereof
	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

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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
Wiring Devices	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment

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

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

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

Approved

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

SECTION IX

CHECKLIST OF TECHNICAL AND FINANCIAL DOCUMENTS

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

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

Technical Documents

☐ (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**

☐ (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules; **and**

☐ (d) Special PCAB License in case of Joint Ventures;
and registration for the type and cost of the contract to be bid; **and**

☐ (e) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
or
Original copy of Notarized Bid Securing Declaration; **and**

(f) Project Requirements, which shall include the following:

☐ a. Organizational chart for the contract to be bid;

☐ b. List of contractor's key personnel (*e.g.*, Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data;

☐ c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; **and**

☐ (g) Original duly signed Omnibus Sworn Statement (OSS);
and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

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

Class "B" Documents

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

II. FINANCIAL COMPONENT ENVELOPE

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

Other documentary requirements under RA No. 9184

☐ (k) Original of duly signed Bid Prices in the Bill of Quantities; **and**

☐ (l) Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid; **and**

☐ (m) Cash Flow by Quarter.

SECTION X

BIDDING FORM

Bid Form for the Procurement of Infrastructure Projects

[shall be submitted with the Bid]

BID FORM

Date : _____

Project Identification No. : _____

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

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

a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: **Restoration of Damaged RC Pier at Port of Manguino-o**;

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 allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines[1] for this purpose;

[1] currently based on GPPB Resolution No. 09-2020

h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;

i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and

j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.

k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the **Restoration of Damaged RC Pier at Port of Manguino-o** of the **Philippine Ports Authority**.

l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

Legal Capacity: _____

Signature: _____

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

Date: _____

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

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

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

NOTE:

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

This Statement shall be supported by:

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

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

Revised: September 2021

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

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

NOTE :

1] As appearing in the contract executed by the parties.
2] With special reference to the Scope of Works of the Project as described/enumerated in the Contract.
3] Indicate the percentage of participation and whether as Sole Contractor, Sub-Contractor or Member in a Joint Venture / Consortium.
4] Indicate the FOREX used if Contract Value is expressed in a currency other than the Philippine Peso. Attached the computation for the escalated contract value.
5] As appearing in the Notice of Award.
6] As appearing in the Notice to proceed and Certificate of Completion.

A. The bidder must have an experience of having completed a SLCC that is similar to the contract to be bid equivalent to at least fifty percent (50%) of the ABC, adjusted if necessary, by the Bidder to current prices using the PSA consumer price indices. A contract is considered to be "similar" to the contract to be bid if it has the same Major Categories of Work as stated in the Bid Data Sheet (BDS).
B. This Statement shall be supported by:
   a. Notice of Award, Notice to Proceed and Contract.
   b. Project Owner's Certificate of Final Acceptance issued by the owner and/ or Constructors Performance Evaluation System (CPES) Final Rating, which must be at least Satisfactory. The said Certificate of Acceptance shall contain the following: 1) Name of project owner that issued the certificate, 2) Name of Contractor/ Constructor, 3) Name of Contract, and 4) Contract Duration.
   c. Recapitulation or Final Bill of Quantities.

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

Revised: September 2021

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 Works	cu.m.	212.00						

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: September 2021

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

Name of Firm

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

Date

Revised: September 2021

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

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

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

NOTE:

1] The unit of capacity of the pledged equipment shall be as indicated in the Proof of Ownership, i.e. GW (for crane barge), DWT (for deck barge and hopper barge), Ton (for crane, road roller and drop hammer), kg.-m/blow (for diesel hammer), cu.m. (for dump truck), hp (for tugboat, road grader, bulldozer and concrete vibrator), cfm (for compressor), gal (for water truck with pump), amp (for welding machine), bagger (for concrete mixer). If the capacity of the pledged equipment is not indicated in the Proof of Ownership/Leased Contract/Purchased Agreement, submit other proof of capacity such as specifications, brochures or other verifiable printouts indicating the model name, model number and other details of the equipment.

2] Indicate if the pledged equipment are owned, leased or under purchase agreement.

3] If the pledged equipment is owned, it should be in the name of the bidder. Submit proof of ownership, i.e. deed of sale, sales invoice, official receipt; For owned Water Truck, Dump Truck and Transit Mixer submit LTO Certificate of Registration and valid Official Receipt; For owned barge/tugboat, submit Marina Certificate of Ownership and valid Cargo Ship Safety Certificate.

If the pledged equipment is leased/under purchased agreement, submit the following:

For equipment under lease agreement:

a. certification of availability of equipment from the equipment lessor for the duration of the project
b. duly Notarized copy of lease contract
c. For Water Truck, Dump Truck, Cargo Truck and Transit Mixer submit LTO Certificate of Registration and valid Official Receipt

For equipment under purchase agreement:

a. certification of availability of equipment from the equipment vendor
b. duly Notarized copy of purchase agreement
d. For Water Truck, Dump Truck, Cargo Truck and Transit Mixer submit LTO Certificate of Registration and valid Official Receipt or copy of conduction sticker, whichever is applicable.

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: September 2021

Omnibus Sworn Statement for Sole Proprietorship

[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

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

1. I am the sole proprietor or authorized representative of _____ with office address at _____;

2. As the owner and sole proprietor, or authorized representative of _____, I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **Restoration of Damaged RC Pier at Port of Manguino-o,** Brgy. Manguino-o, Calbayog, Samar of the **Philippine Ports Authority,** as shown in the attached duly notarized Special Power of Attorney;

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. The owner or sole proprietor is not related to the Head of the Procuring Entity, Procuring Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

   a. Carefully examining all of the Bidding Documents;
   b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
   c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
   d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

IN WITNESS WHEREOF, I have hereunto set my hand this __ day of ___, 20__ at _____, Philippines.

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

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

Omnibus Sworn Statement for Partnership or Cooperative

[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

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

1. I am the duly authorized and designated representative of _____ with office address at _____;

2. I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **Restoration of Damaged RC Pier at Port of Manguino-o,** Brgy. Manguino-o, Calbayog, Samar, as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, Procuring Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

   a. Carefully examining all of the Bidding Documents;
   b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
   c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and

d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

IN WITNESS WHEREOF, I have hereunto set my hand this __ day of ___, 20__ at _____, Philippines.

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

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

Omnibus Sworn Statement for Corporation or Joint Venture

[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

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

1. I am the duly authorized and designated representative of _____ with office address at _____;

2. I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **Restoration of Damaged RC Pier at Port of Manguino-o,** Brgy. Manguino-o, Calbayog, Samar, 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, Procuring Agent if engaged, 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 : Restoration of Damaged RC Pier at Port of Manguino-o

Project Description :

Location : Brgy. Manguino-o, Calbayog, Samar

MINIMUM SCOPE OF CONSTRUCTION METHODOLOGY

A. REPAIR OF DAMAGED PORTION OF R.C. PIER

- Removal of 10 units rubber dock fender and 7 units mooring bollard
- Demolition of damaged RC deck and disposal of waste
- Chipping of RC piles to cut-off elevation
- Supply and place forms for RC piles jacketing
- Supply and place 3500psi reinforced concrete jacket on RC piles
- Supply and place 3500psi reinforced concrete deck (beams, curtain wall and curb, fender and mooring blocks, and slab) including formworks
- Supply, deliver and install 35 tons mooring bollards including accessories
- Supply, deliver and install 400H x 1500L v-type rubber dock fenders including accessories

B. REPAIR OF DRAINAGE CANAL

- Removal of grills, cutting, chipping of 2 sides drain edge and disposal of waste
- Supply and place lintel beams on 2 sides drain edge
- Supply, fabricate and install grill cover

NOTES:

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

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

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

MANPOWER SCHEDULE

Name of Project : _____

Project Description : _____

Location : _____

MANPOWER (Minimum)	CONTRACT DURATION (_____ Calendar Days)																			
	MONTHLY																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Project Manager																				
Project Engineer																				
Materials Engineer 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: September 2021

EQUIPMENT UTILIZATION SCHEDULE

Name of Project : _____

Project Description : _____

Location : _____

EQUIPMENT (Minimum)	No. of Units	CONTRACT DURATION (_____ Calendar Days)																		
		M O N T H L Y																		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

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

Revised: September 2021

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-curve.
- Payment schedule shall not be more than once a month.

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

Revised: September 2021

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	**Name of Bidder/ Authorized Representative** (Signatory's Legal Capacity)
for:	for:
Philippine Ports Authority	**Contractor**

Acknowledgment

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