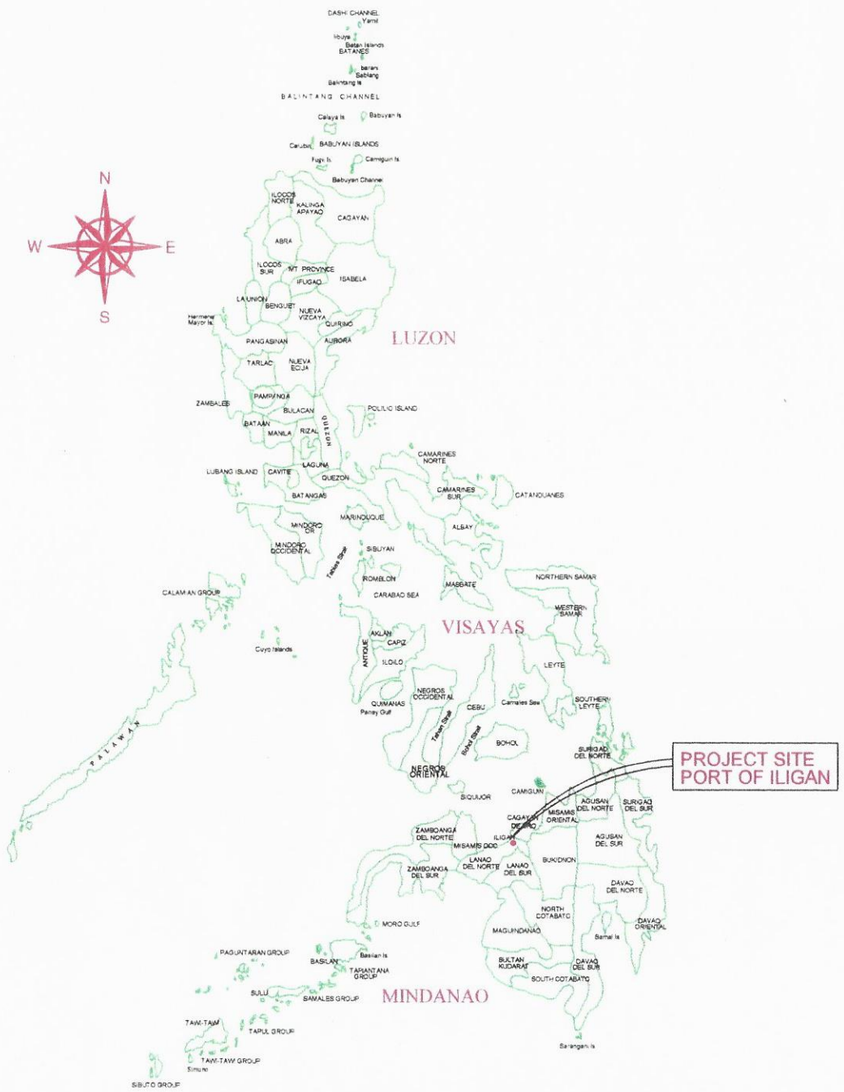
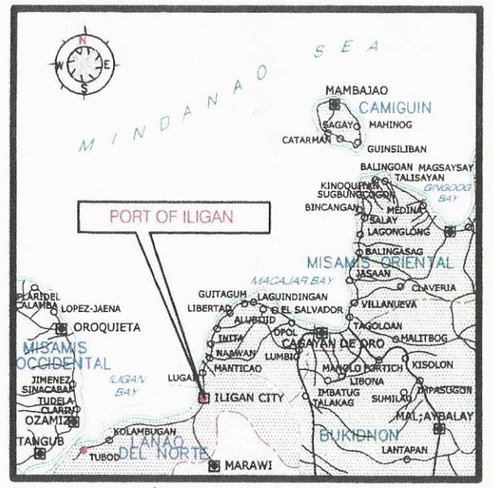
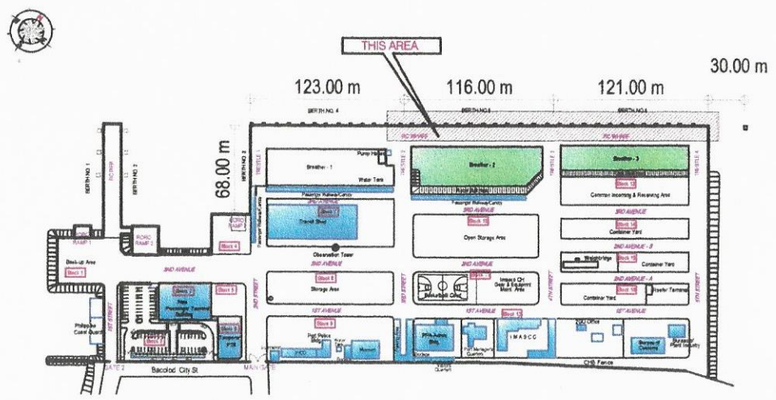



LOCATION MAP
SCALE: NTS.




VICINITY MAP
SCALE: NTS.




SITE DEVELOPMENT PLAN
SCALE: NTS.

PHILIPPINE PORTS AUTHORITY
PORT MANAGEMENT OFFICE OF LANAO DEL NORTE / ILIGAN

| | |
|---|---|
| TITLE: | REPAIR OF MOORING FIXTURES AT RC WHARF |
| LOCATION: | PORT OF ILIGAN, ILIGAN CITY |

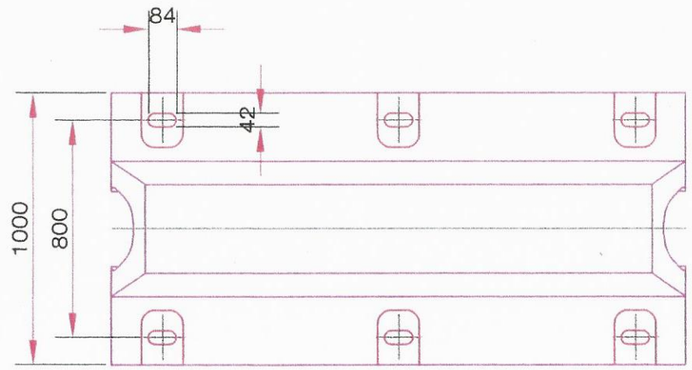
| PREPARED BY: | CHECKED BY: | RECOMMENDED BY: | APPROVED: |
|---|---|---|---|
| DENNIS S. CAMBAYA | COLIN KAYE R. CAJOTE | JOEL B. ESCALA | ANNIE LEE F. MANESE |
| Engineering Assistant A | Senior Engineer A | Acting ESD Manager | Port Manager |

ARCHITECTURAL

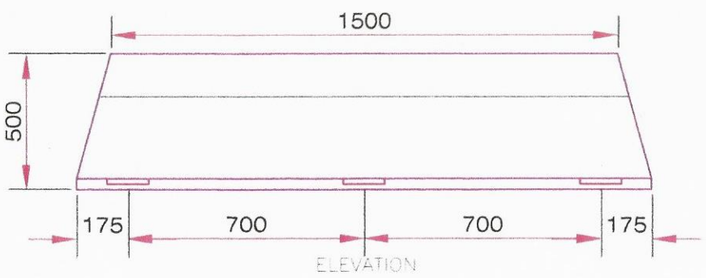
SHEET CONTENTS

- VICINITY PLAN
- LOCATION PLAN
- SITE DEVELOPMENT PLAN

SHEET NO. 1 / 6




PLAN



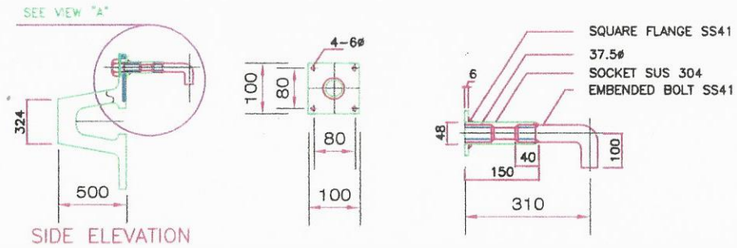

ELEVATION

DETAIL OF RUBBER DOCK FENDER (V-500H)

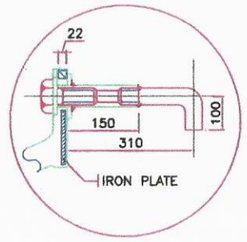
SCALE NTS

PERFORMANCE CHARACTERISTIC OF
500 H (V-Type)

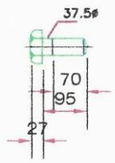
| AT RATED DEFLECTION OF FENDER (45%) | | |
|---|---|---|
| HULL PRESSURE | REACTION FORCE | ENERGY ABSORPTION |
| TON / M | TON | TON / M |
| 48 | 28.1 | 4.69 |



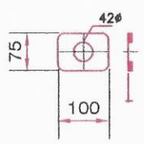

SIDE ELEVATION




VIEW "A"




FIXING BOLT (SS41)
(Zn COATING)




WASHER (SS41)
(Zn COATING)

DETAIL OF ANCHOR BOLT (NORMAL)

# TYPICAL DETAIL OF FENDERS

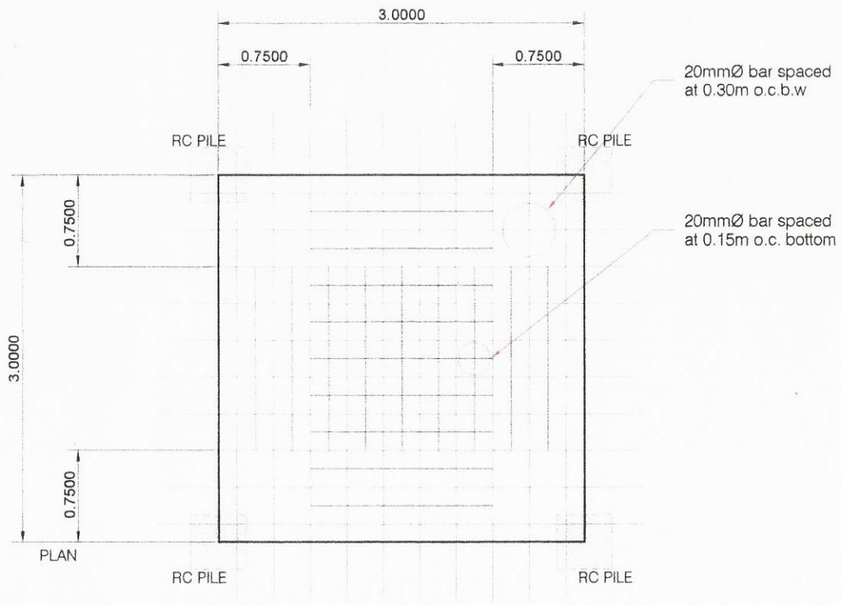
SCALE: 1:400MTS.

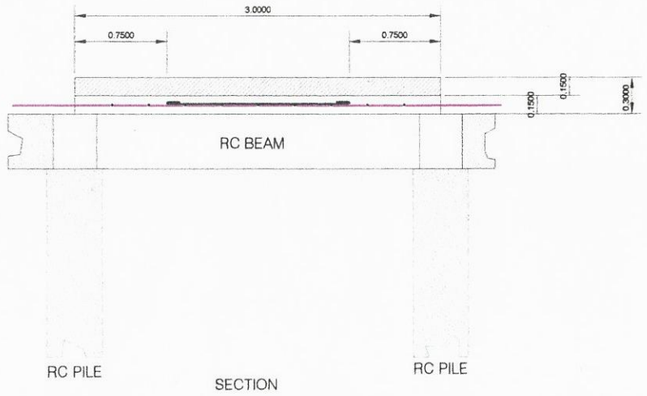
PHILIPPINE PORTS AUTHORITY
PORT MANAGEMENT OFFICE OF LANAO DEL NORTE / ILIGAN

| | | | |
|---|---|---|---|
| TITLE: REPAIR OF MOORING FIXTURES AT RC WHARF | | | ARCHITECTURAL |
| LOCATION: PORT OF ILIGAN, ILIGAN CITY | | | SHEET CONTENTS |
| PREPARED BY: DENNIS S. CAMBAYA, Engineering Assistant A | CHECKED BY: COLIN KAY F. CAJOTE, Senior Engineer A | RECOMMENDED BY: JOEL B. ESCALA, Acting ESD Manager | APPROVED: ANNIE LEE F. MANESE, Port Manager |

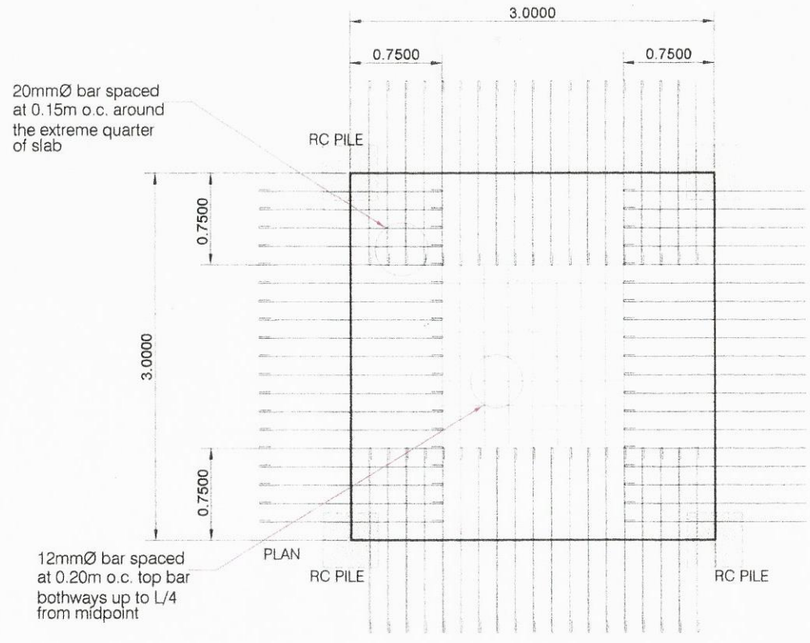
- TYPICAL DETAIL OF FENDERS
-

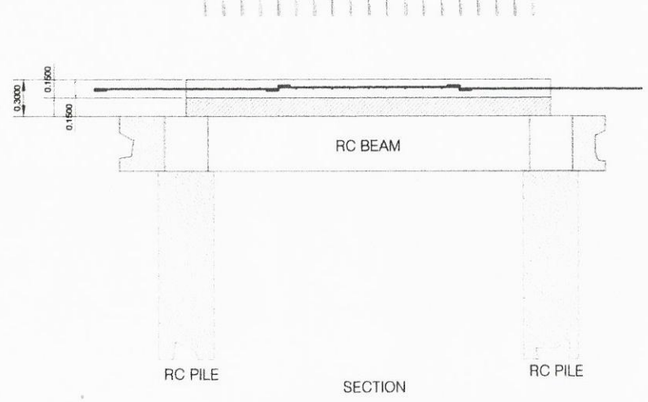
SHEET NO. 2 / 6




DETAIL OF PRE-CAST SLAB
(bottom slab)




DETAIL OF CAST-IN-PLACE
(top slab)

## TYPICAL DETAIL OF RC SLAB

SCALE: 1:50mts

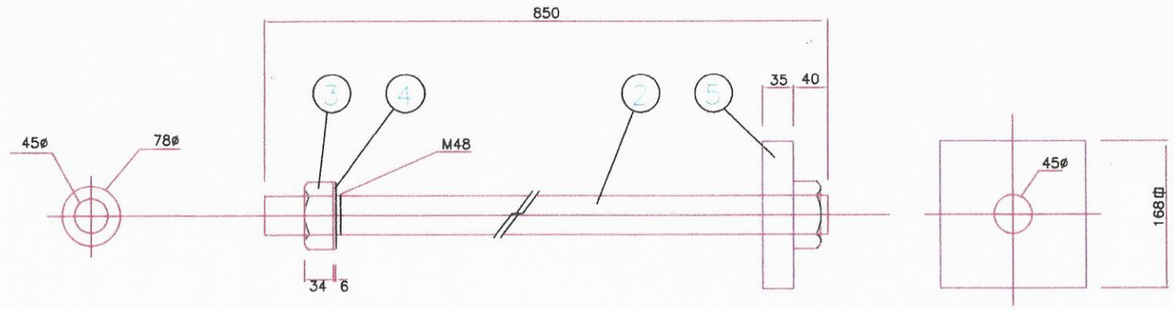
PHILIPPINE PORTS AUTHORITY
PORT MANAGEMENT OFFICE OF LANAO DEL NORTE / ILIGAN

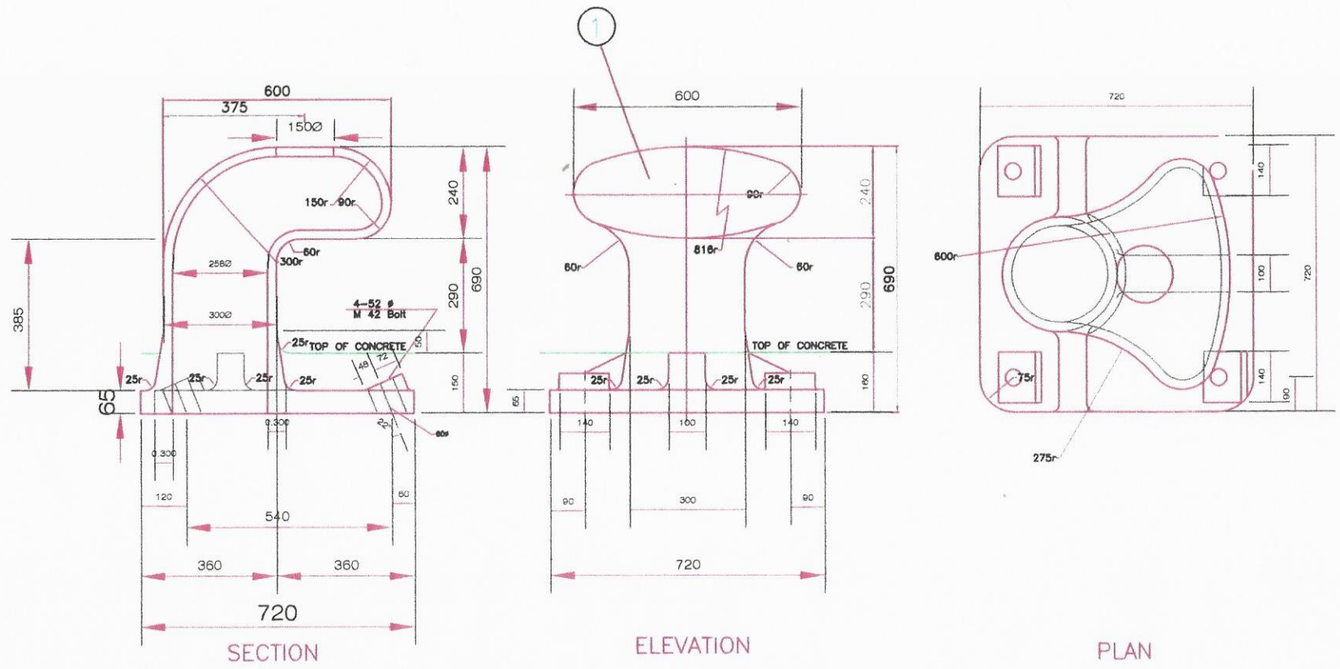
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|---|---|---|---|
| TITLE: REPAIR OF MOORING FIXTURES AT RC WHARF | | | ARCHITECTURAL |
| LOCATION: PORT OF ILIGAN, ILIGAN CITY | | | SHEET CONTENTS |
| PREPARED BY: DENNIS S. CAMBAYA, Engineering Assistant A | CHECKED BY: COLIN KAY P. CAJOTE, Senior Engineer A | RECOMMENDED BY: JOEL B. ESCALA, Acting ESD Manager | APPROVED: ANNIE LEE F. MANESE, Port Manager |
| | | | • RYPICAL DETIAL OF RC SLAB |

SHEET NO. 3 / 6

## MATERIALS AND WEIGHT

| NO. | DESCRIPTION | MATERIALS 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 | 420 | 426 |
| 2 | ANCHOR BOLT | JIS G 3101 2 GRADE SS41<br>JIS B 0205 M 48-5 | 1,400 | 4 | 9 | 36 |
| 3 | HEXAGON NUTS | JIS B 1181 I GRADE<br>4T. M42-4.5 | – | 8 | – | – |
| 4 | PLAIN WASHER | JIS B 1256 ROUND STEEL | – | 4 | – | – |
| 5 | ANCHOR RING | JIS G 3101 2 GRADE SS41<br>OR JIS G 5101 3 GRADE SC46 | 1,400 | 4 | 8 | 32 |




## 25 TON MOORING TEE HEAD

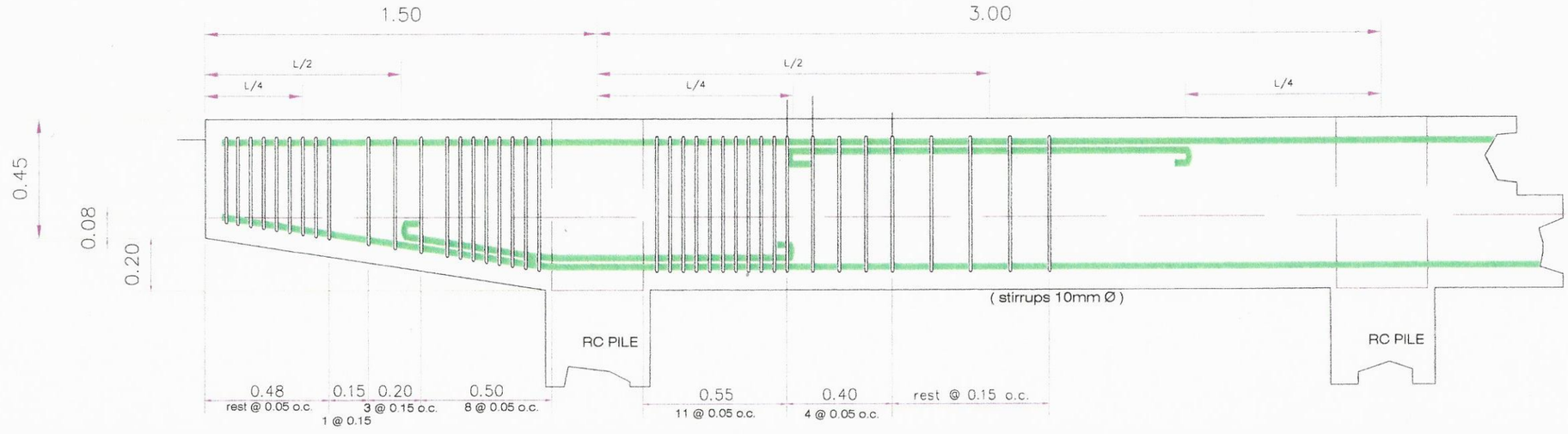
SCALE 1 : 10

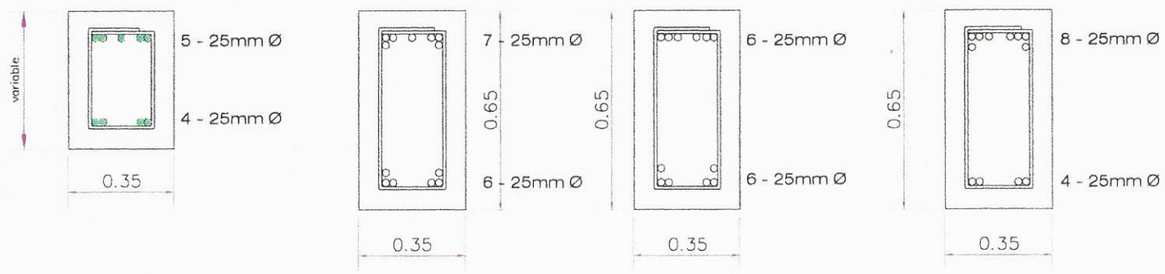
PHILIPPINE PORTS AUTHORITY
PORT MANAGEMENT OFFICE OF LANAO DEL NORTE / ILIGAN

| | | | |
|---|---|---|---|
| TITLE: REPAIR OF MOORING FIXTURES AT RC WHARF | | | ARCHITECTURAL |
| LOCATION: PORT OF ILIGAN, ILIGAN CITY | | | SHEET CONTENTS |
| PREPARED BY: | CHECKED BY: | RECOMMENDED BY: | APPROVED: |
| DENNIS S. CAMBAYA<br>Engineering Assistant A | COLIN KAY R. CAJOTE<br>Senior Engineer A | JOEL B. ESCALA<br>Acting ESD Manager | ANNIE LEE F. MANESE<br>Port Manager |

- 15 TONNER MOORING TEE HEAD

SHEET NO. 4 / 6



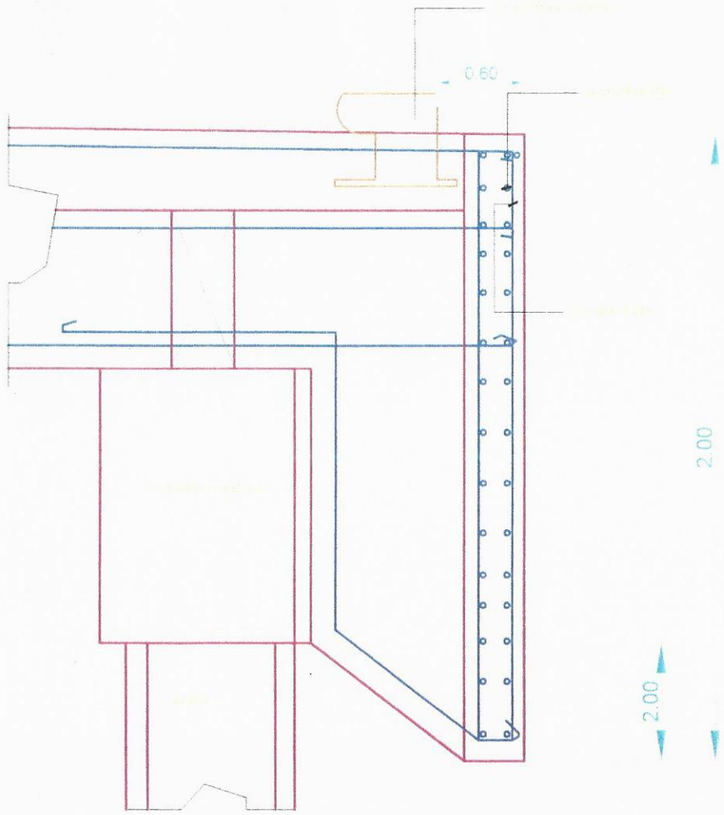

DETAIL OF CANTILEVER / RC BEAM

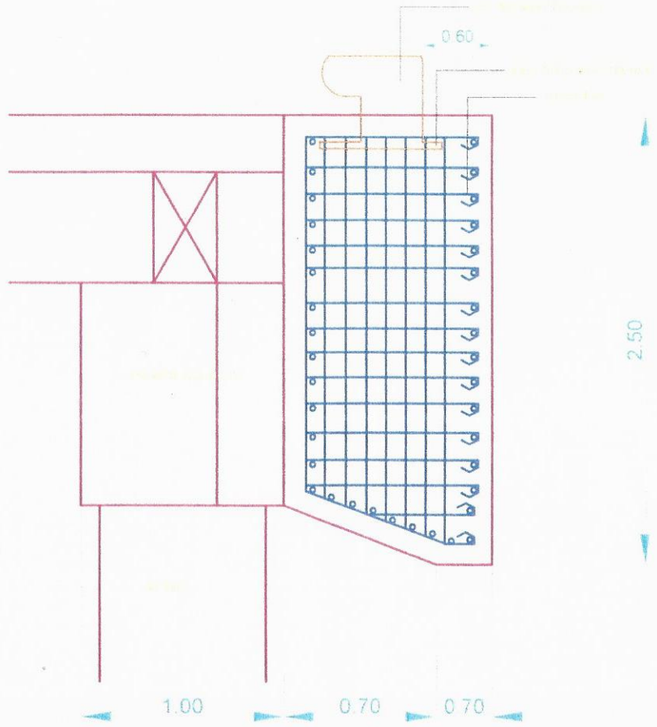
PHILIPPINE PORTS AUTHORITY
PORT MANAGEMENT OFFICE OF LANAO DEL NORTE / ILIGAN

| | | | |
|---|---|---|---|
| TITLE: REPAIR OF MOORING FIXTURES AT RC WHARF | | | ARCHITECTURAL |
| LOCATION: PORT OF ILIGAN, ILIGAN CITY | | | SHEET CONTENTS |
| PREPARED BY: DENNIS S. CAMBAYA, Engineering Assistant A | CHECKED BY: COLIN KAY R. CAJOTE, Senior Engineer A | RECOMMENDED BY: JOEL B. ESCALA, Acting ESD Manager | APPROVED: ANNIE LEE F. MANESE, Port Manager |

- DETAIL OF CANTILEVER /RC BEAM

SHEET NO. 5 / 6




TYPICAL DETAIL OF FENDER BLOCK
AND MOORING TEE HEAD

PHILIPPINE PORTS AUTHORITY
PORT MANAGEMENT OFFICE OF LANAO DEL NORTE / ILIGAN

| | | | | | |
|---|---|---|---|---|---|
| TITLE: | REPAIR OF MOORING FIXTURES AT RC WHARF | | | ARCHITECTURAL | SHEET NO. |
| LOCATION: | PORT OF ILIGAN, ILIGAN CITY | | | SHEET CONTENTS | 6/6 |
| PREPARED BY: | CHECKED BY: | RECOMMENDED BY: | APPROVED: | ● TYPICAL DETAIL OF FENDER BLOCK AND MOORING TEE HEAD | |
| DENNIS S. CAMBAYA<br>Engineering Assistant A | COLIN KAY R. CAJOTE<br>Senior Engineer A | JOEL B. ESCALA<br>Acting ESD Manager | ANNIE LEE F. MANESE<br>Port Manager | | |