

PHILIPPINE  
PORTS  
AUTHORITY



PMO- MINDORO

## REPAIR/RETROFITTING AND WATERPROOFING OF PTB/TMO

PORT OF ABRA DE ILOG, OCCIDENTAL MINDORO



**PROJECT TITLE:** REPAIR/RETROFITTING AND WATERPROOFING OF PTB/TMO  
PORT OF ABRA DE ILOG, OCCIDENTAL MINDORO

**PREPARED BY:**  
FERNANDO J. GALVEZO  
Engineering Assistant A

**SUBMITTED BY:**  
CARABDO E. CASAPAO JR.  
Senior Engineer A

**CHECKED / REVIEWED BY:**  
ROMAN D. O. MONTIBAG  
Acting Principal Engineer A

**RECOMMENDING APPROVAL:**  
MARGARITO P. DIMALLIG  
Acting Division Manager A, ESD

**APPROVED:**  
LEO A. ROMERO  
Acting Port Manager A

**SHEET CONTENTS:**  
AS SHOWN

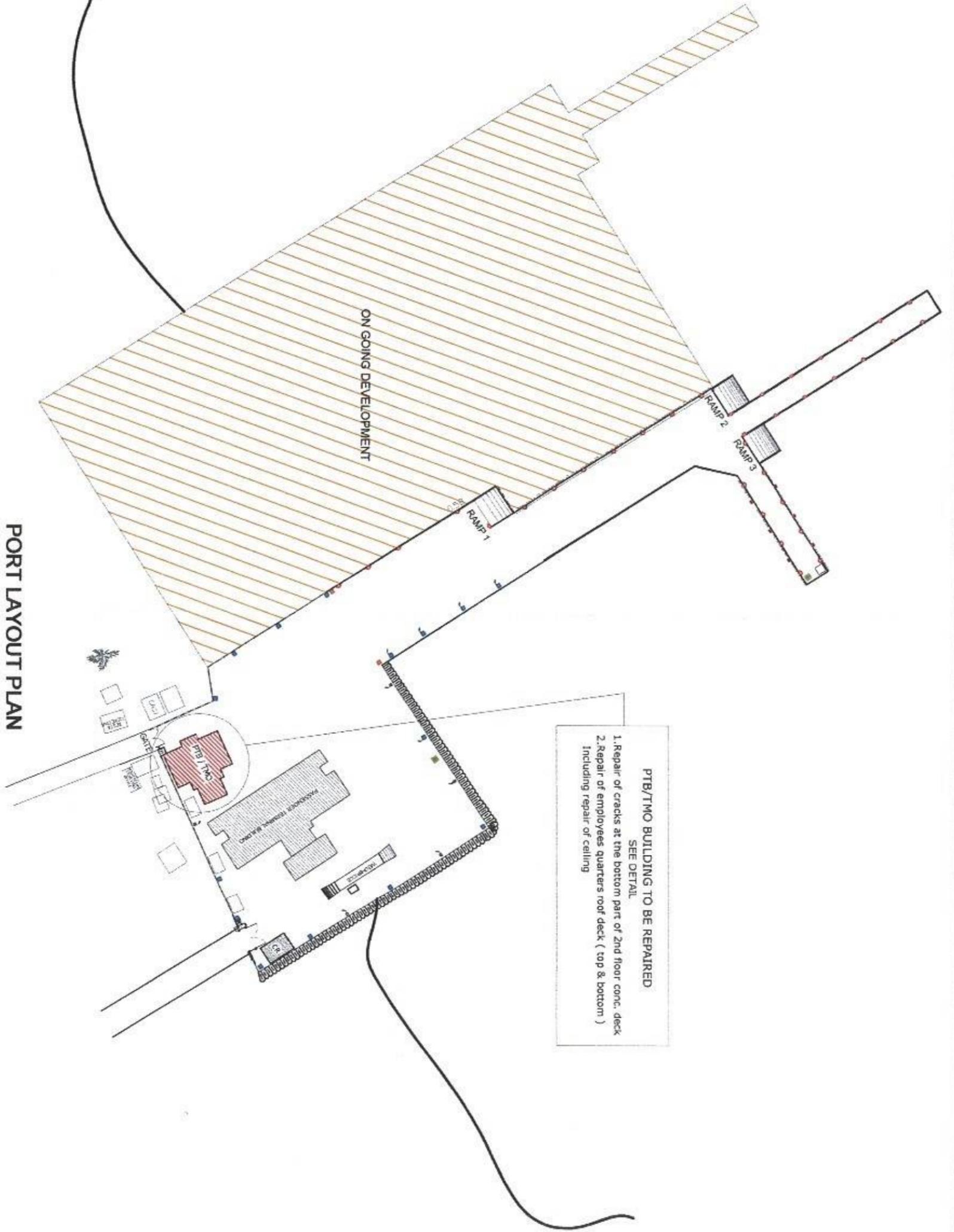
**SCALE:**  
AS SHOWN

**SHEET NO.**  
1 of 4

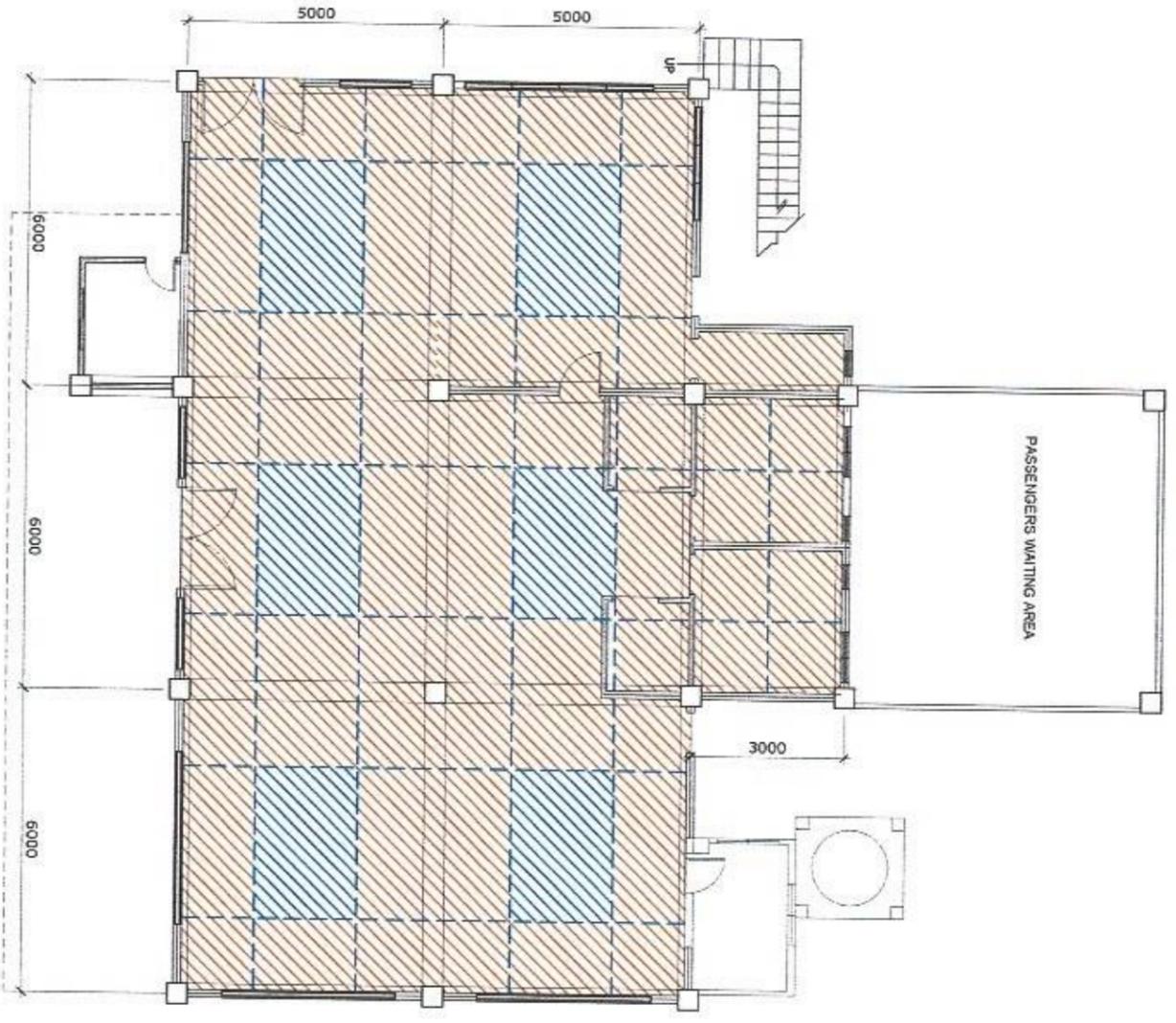
**DATE:**  
21 JUNE 2022

**PORT LAYOUT PLAN**  
PORT OF ABRA DE ILOG  
OCCIDENTAL MINDORO

SCALE 1:1500/A



**PTB/TMO BUILDING TO BE REPAIRED**  
SEE DETAIL  
1. Repair of cracks at the bottom part of 2nd floor conc. deck  
2. Repair of employees quarters roof deck ( top & bottom )  
Including repair of ceiling

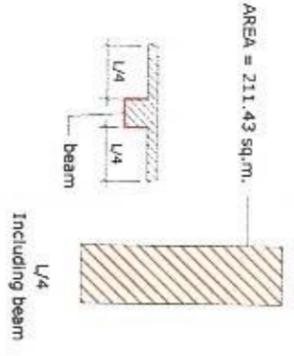


PLAN OF BOTTOM PART OF 2ND FLOOR LEVEL  
TO BE REPAIRED

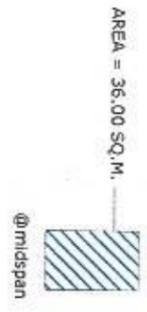
### RETROFITTING

Preparation and Chip-off Damaged portions of Bottom Slab including beam caused by Spalling including removal of Ceiling

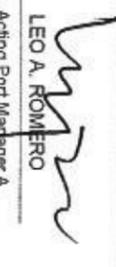
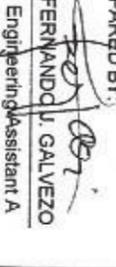
1. Applying Rust Converter and two-coats of Epoxy Primer for Rusted and Exposed Slab Rebars
2. Applying High-Viscosity Concrete Epoxy to patch spalled and damaged areas of slab
3. Non-sag Cementitious Pre-packed Repair Mortar with 5,800 psi of compressive strength and shrinkage compensation properties for spalled/chipped areas.

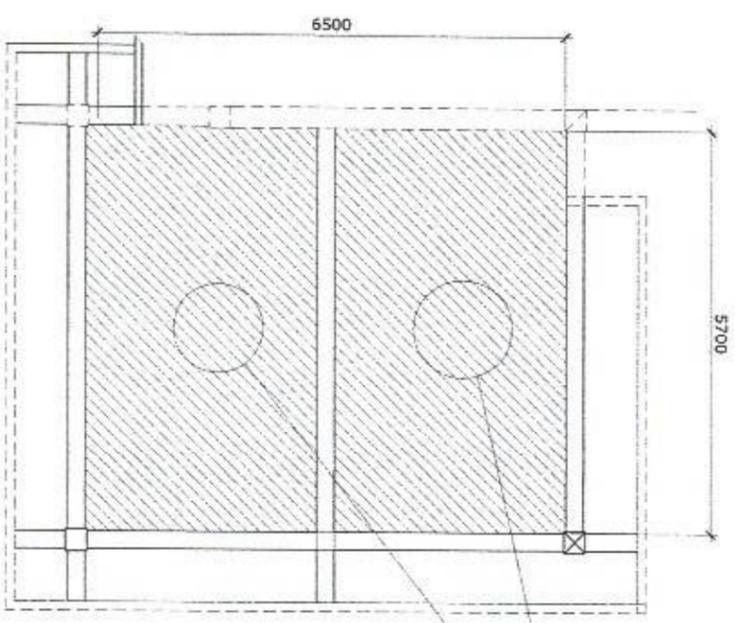
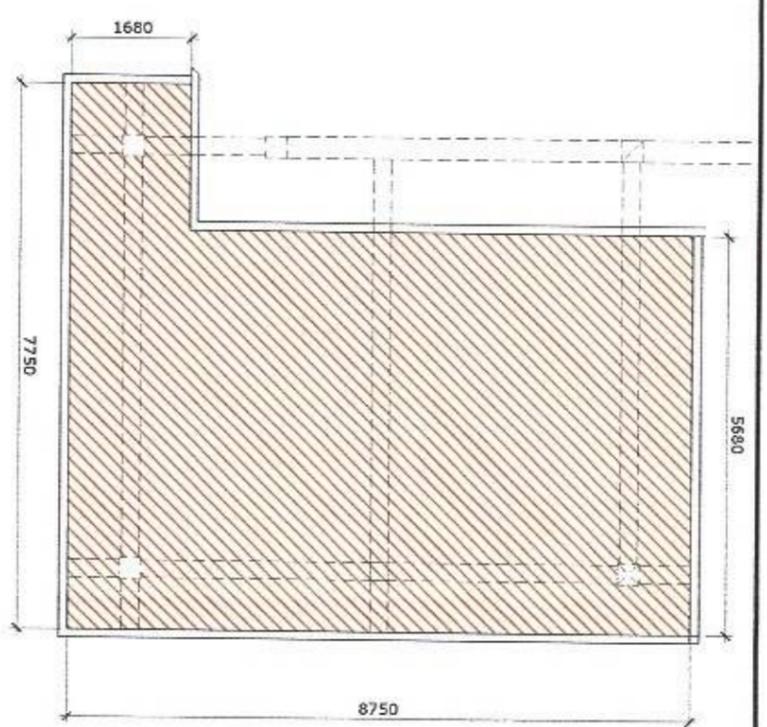
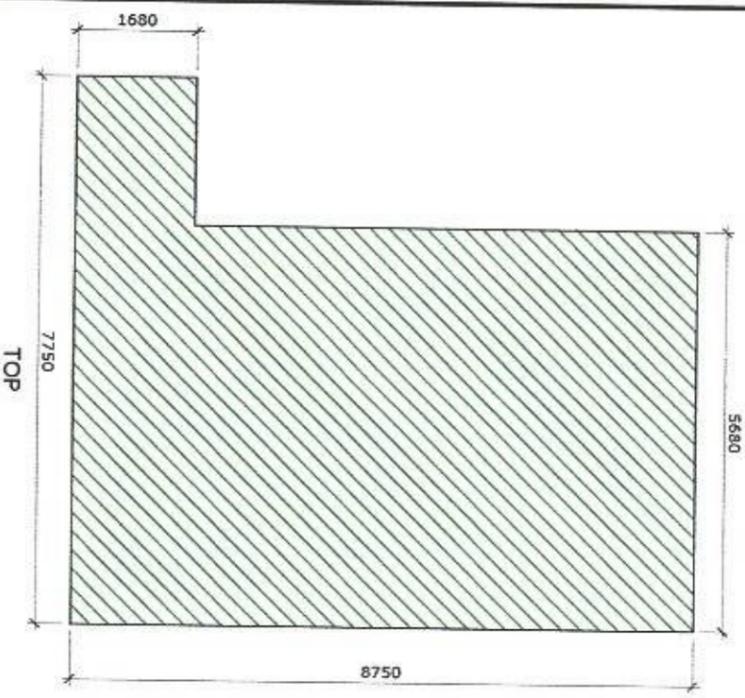
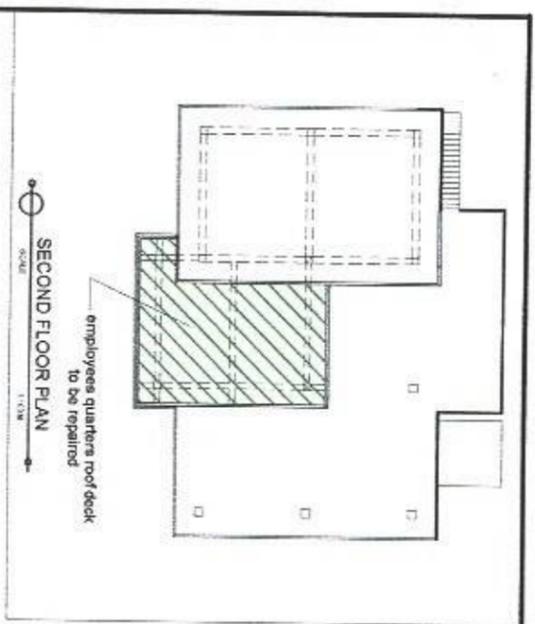


AREA = 211.43 sq.m.



AREA = 36.00 SQ.M.

	<b>PROJECT TITLE:</b> REPAIR/RETROFITTING AND WATERPROOFING OF PTB/TMO PORT OF ABRA DE ILOG, OCCIDENTAL MINDORO		<b>RECOMMENDING APPROVAL:</b>  <b>MARGARITO P. DIMALLIG</b> Acting Division Manager A, ESD		<b>APPROVED:</b>  <b>LEO A. ROMERO</b> Acting Port Manager A		<b>SHEET CONTENTS:</b> AS SHOWN		<b>SCALE:</b> AS SHOWN	
	<b>PREPARED BY:</b>  <b>FERNANDO J. GALVEZ</b> Engineering Assistant A		<b>SUBMITTED BY:</b>  <b>CONRADO E. OSAPAO JR.</b> Senior Engineer A		<b>CHECKED / REVIEWED BY:</b>  <b>ROMALDO O. MANIBAG</b> Acting Principal Engineer A		<b>SHEET NO.</b> 2 of 4		<b>DATE:</b> 21 JUNE 2022	



CEILING TO BE REPAIRED  
Existing gypsum board ceiling to be removed & replaced with a fiber cement board (Hardiflex) including minor repair of metal furring ceiling joist & painting works.

### RETROFITTING

Preparation and Chip-off Damaged portions of Bottom Slab including Beam caused by Spalling including removal of Ceiling

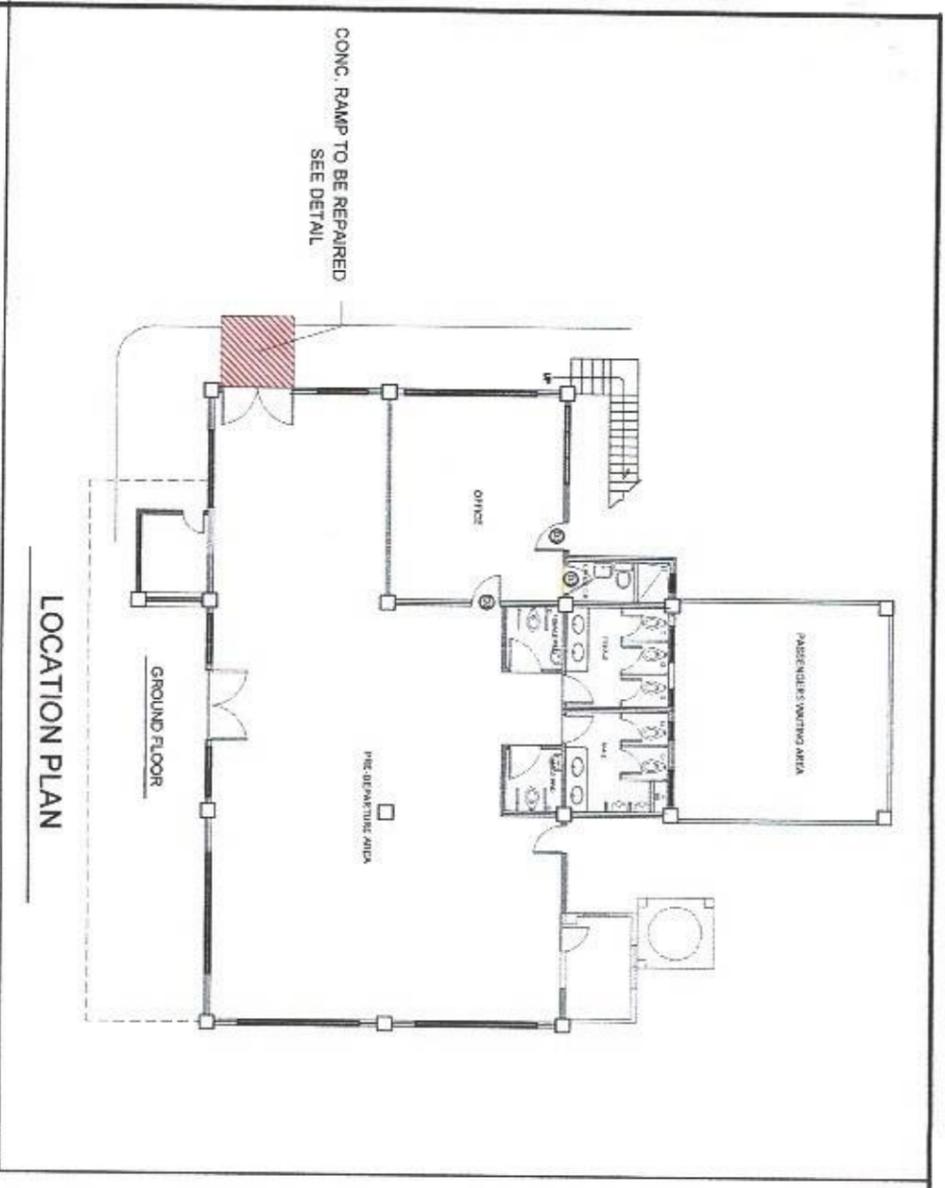
1. Applying Rust Converter and two-coats of Epoxy Primer for Rusted and Exposed Slab Rebars
2. Applying High-Viscosity Concrete Epoxy to patch spalled and damaged areas of slab
3. Non-sag Cementitious Pre-packed Repair Mortar with 5,800 psi of compressive strength and shrinkage compensation properties for spalled/chipped areas.

### WATERPROOFING

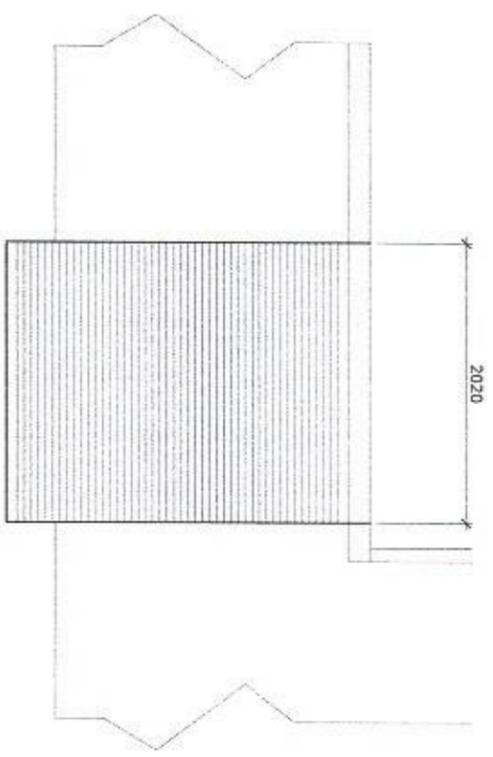
1. Applying Rapid Setting Plugging Leak Mortar on Slab and Parapetwall Corner Joints,
2. Applying Epoxy Resin Based Floor Primer and 3.two-coats of Water based Polyurethane Membrane for Roof Deck including top portion of parapetwall
3. Applying two-coats of Water based Polyurethane Membrane for Roof Deck including top portion of parapetwall

CEILING

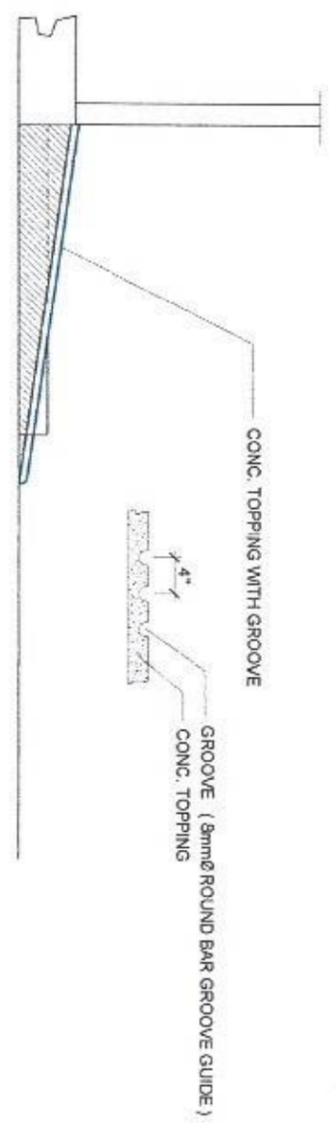
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		PORT OF ABRA DE ILOG, OCCIDENTAL MINDORO			AS SHOWN	AS SHOWN
PREPARED BY:	SUBMITTED BY:	CHECKED / REVIEWED BY:	RECOMMENDING APPROVAL:	APPROVED:	SHEET NO.	DATE:
FERNANDO J. GALVEZO Engineering Assistant A	CONRADO E. CASAPAO JR. Senior Engineer A	RONALD O. MANTIBAG Acting Principal Engineer A	MARGARITO F. DIMALLIG Acting Division Manager A, ESD	LEO A. ROMERO Acting Port Manager A	3 of 4	21 JUNE 2022



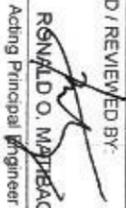
LOCATION PLAN



PLAN  
SCALE 1:50 M



SECTION  
SCALE 1:50 M

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