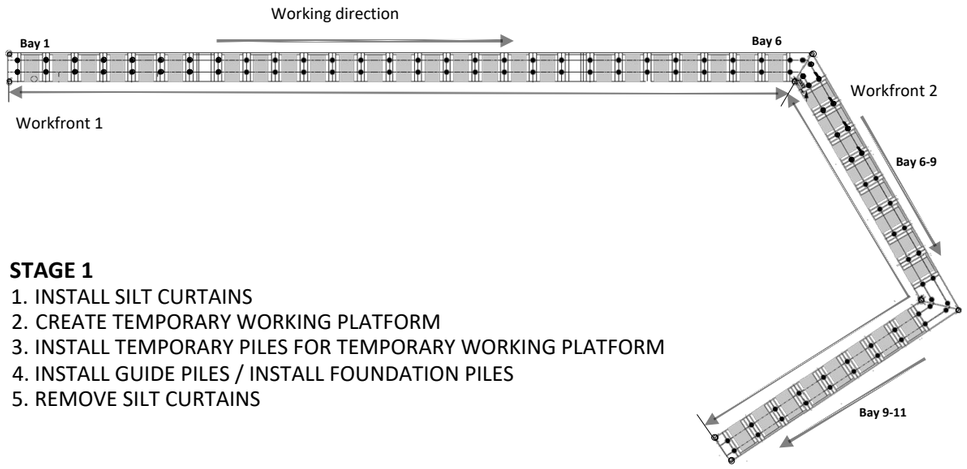
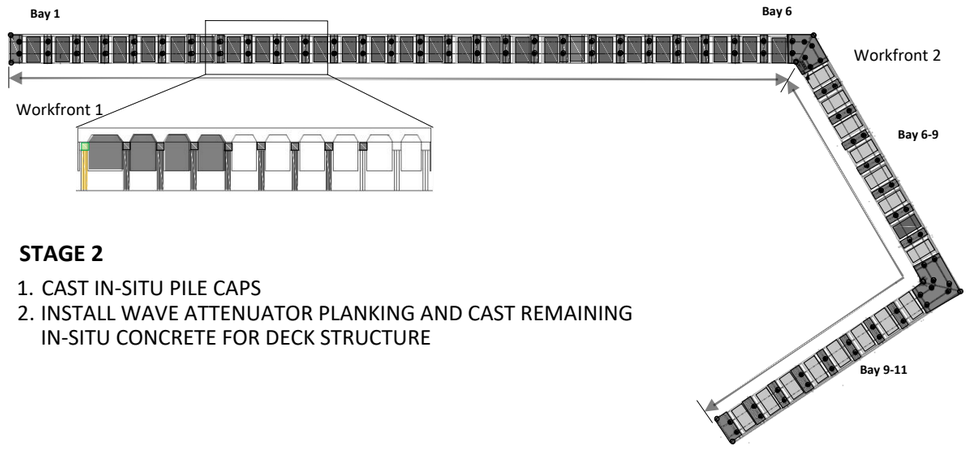
CONSTRUCTION SEQUENCE FOR WAVE ATTENUATOR AT MARINE FACILITIES



STAGE 1

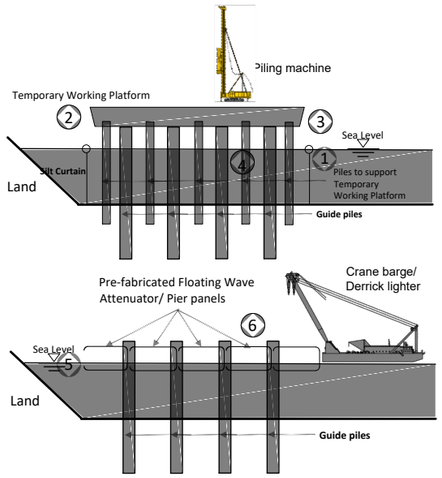
1. INSTALL SILT CURTAINS
2. CREATE TEMPORARY WORKING PLATFORM
3. INSTALL TEMPORARY PILES FOR TEMPORARY WORKING PLATFORM
4. INSTALL GUIDE PILES / INSTALL FOUNDATION PILES
5. REMOVE SILT CURTAINS



STAGE 2

1. CAST IN-SITU PILE CAPS
2. INSTALL WAVE ATTENUATOR PLANKING AND CAST REMAINING IN-SITU CONCRETE FOR DECK STRUCTURE

GENERAL CONSTRUCTION METHOD FOR FLOATING PONTOON



09/2021

STEP

1 INSTALL SILT CURTAINS

2 INSTALL TEMPORARY PILES FOR TEMPORARY WORKING PLATFORM

3 CREATE TEMPORARY WORKING PLATFORM (LIFTED BY CRANE BARGE)

4 INSTALL GUIDE PILES

5 REMOVE SILT CURTAINS

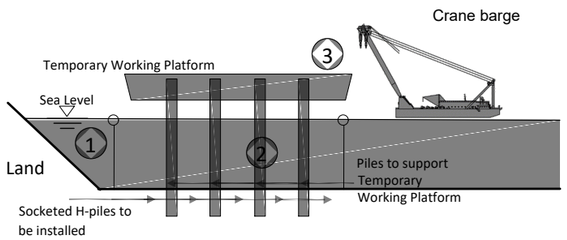
6 LIFT FLOATING POONTOON AND SECURE WITH GUIDE PILES

GENERAL CONSTRUCTION METHOD FOR WAVE ATTENUATOR/ SKYCITY PIER

STEP 1 INSTALL SILT CURTAINS*

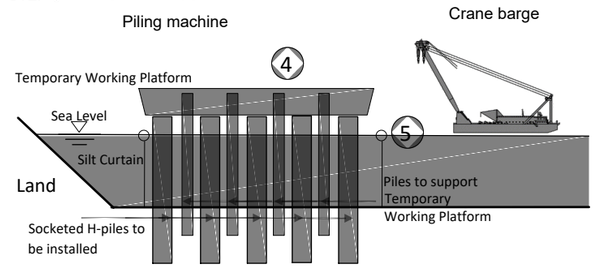
STEP 2 INSTALL TEMPORARY PILES FOR TEMPORARY WORKING PLATFORM*

STEP 2 CREATE TEMPORARY WORKING PLATFORM (LIFTED BY CRANE BARGE)*



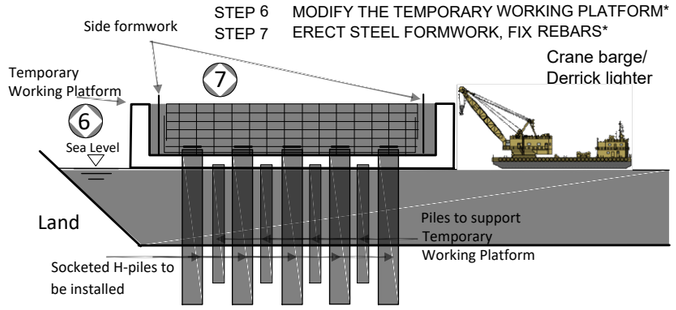
STEP 4 INSTALL SOCKETED H-PILES*

STEP 5 REMOVE SILT CURTAINS*



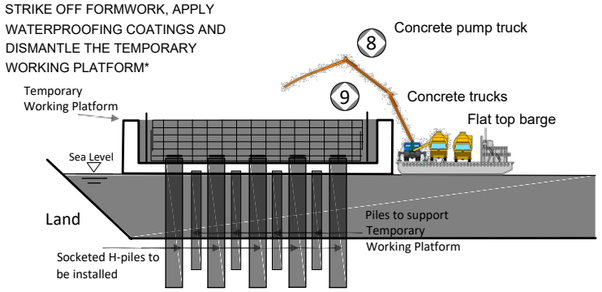
STEP 6 MODIFY THE TEMPORARY WORKING PLATFORM*

STEP 7 ERECT STEEL FORMWORK, FIX REBARS*



STEP 8 CAST CONCRETE FOR WAVE ATTENUATOR/ PIER STRUCTURE*

STEP 9 STRIKE OFF FORMWORK, APPLY WATERPROOFING COATINGS AND DISMANTLE THE TEMPORARY WORKING PLATFORM*



NOTE:
* PILING WORKS FOR SKYCITY PIER

LEGEND

Rev	Date	Descriptions	Check

香港國際機場 HONG KONG INTERNATIONAL AIRPORT

HONG KONG INTERNATIONAL AIRPORT

Consultant

MEINHARDT in association with OTC ERM

Consultant's Signatures for Approval	Date
Design Supervisor	
Checkers	
Authorised Representative	

Key Plan

Title

AIRPORT TUNG CHUNG LINK PROJECT
ILLUSTRATIONS OF CONSTRUCTION METHODS
- WAVE ATTENUATOR AND FLOATING PONTOON

Drawing No.

FIGURE 2.5 (e)

Originator	Location	Discipline	Typo	Dwg Sequence No.

Status DESIGN | Scale AS SHOWN | Rev DESIGN