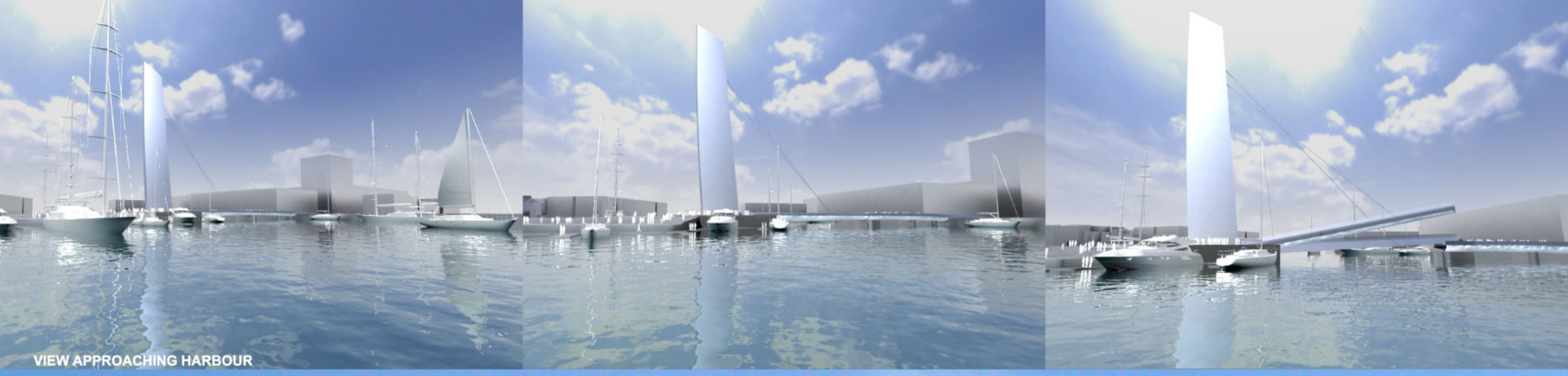


VIEW APPROACHING HARBOUR

VIEW OF BRIDGE IN OPEN POSITION FROM INNER VIADUCT HARBOUR

TE WERO BRIDGE PROJECT - KEY DESIGN FEATURES

This proposal incorporates innovative design, engineering and operational features to create a unique and iconic bridge structure.

Responds to the visually active harbour context and distant views with large scale, distinctive sculptural form and elegant profile.

Vertical support mast creates permanent gateway feature and orientation marker regardless of whether the bridge is open or closed.

Deck splits in two as it rises with the leaves sweeping apart to come to rest in a V configuration.

Three primary elements of differing length and width form asymmetric composition.

Viewed from different locations around the harbour, infinite combinations of juxtapositions are possible as the bridge leaves move towards the mast.

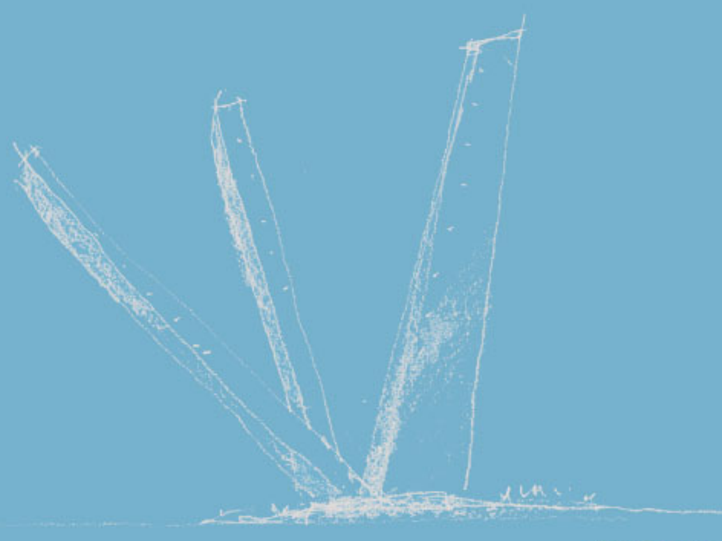
Construction sequence minimises disruption to the harbour.

Independent foundations avoid risk of construction within existing quayside

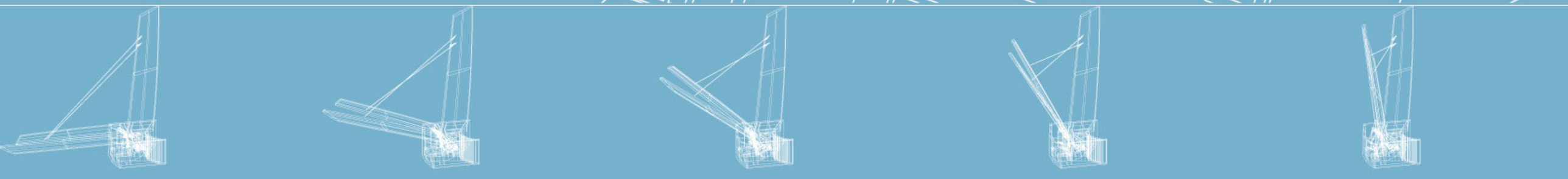
Lightweight deck and counterweight arrangement result in very low energy use for opening cycle.

Deck can be fabricated using local yacht building expertise.

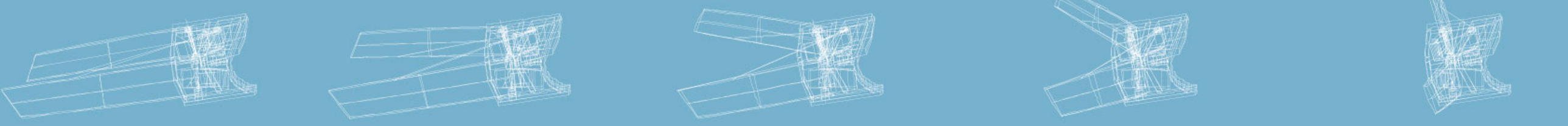
Material selection gives excellent durability and low maintenance regime.



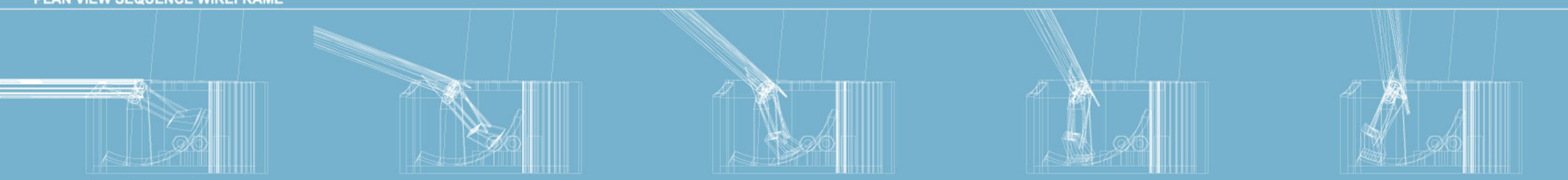
CONTEXT PLAN
1:1000



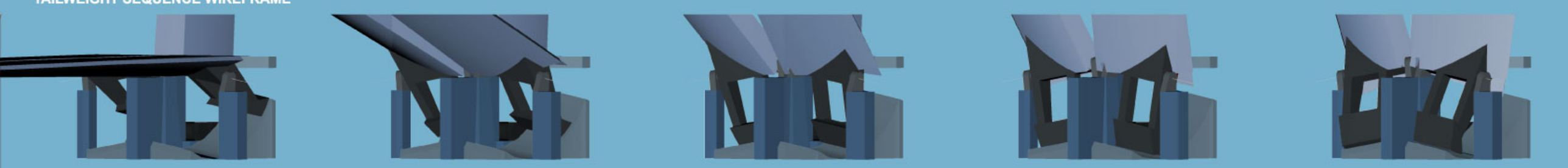
LIFTING SEQUENCE WIREFRAME



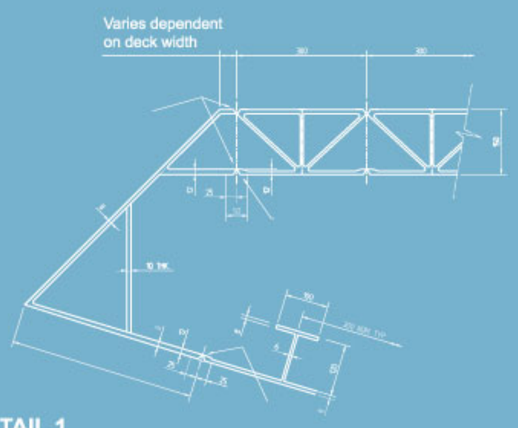
PLAN VIEW SEQUENCE WIREFRAME



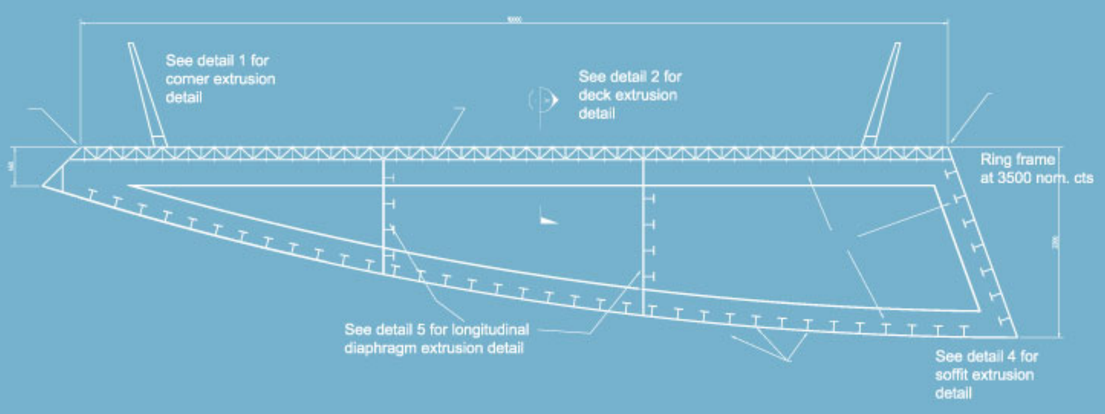
TAILWEIGHT SEQUENCE WIREFRAME



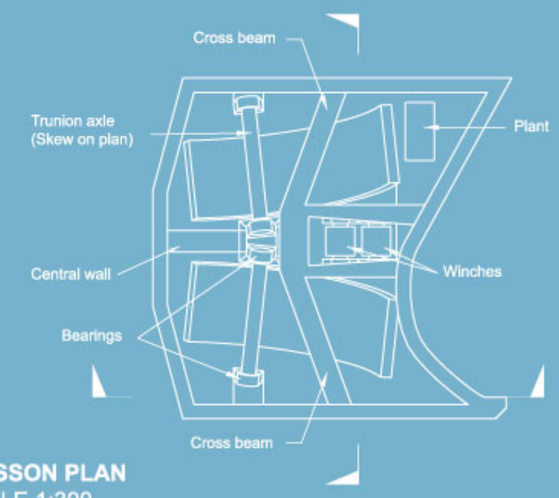
TAILWEIGHT SEQUENCE RENDERED



DETAIL 1
SCALE 1:10

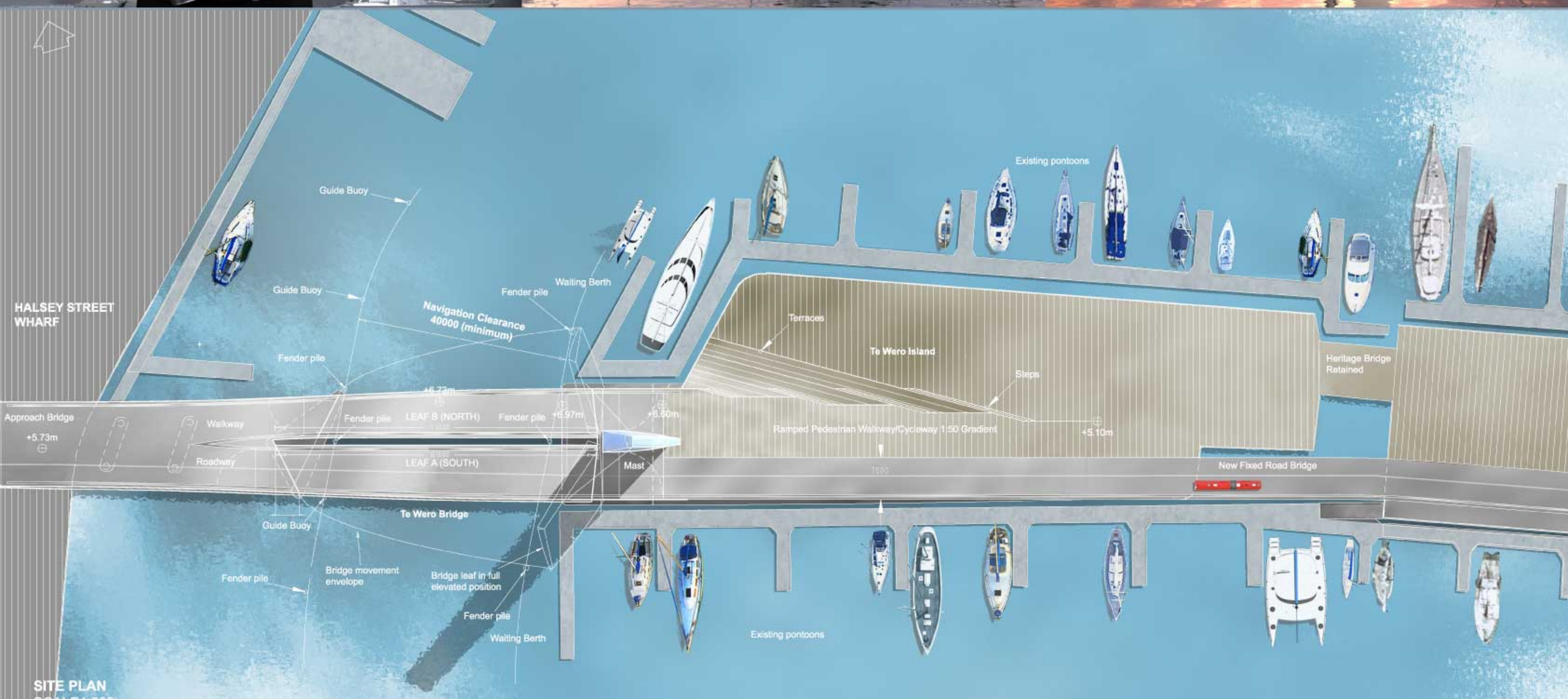


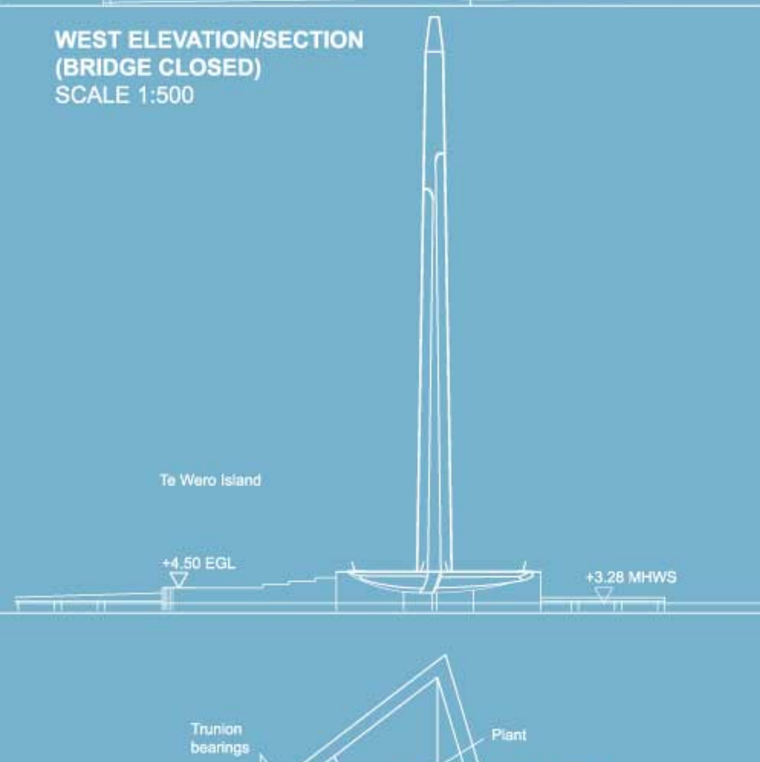
TYPICAL SECTION AT MID SPAN DECK LEAF
SCALE 1:50

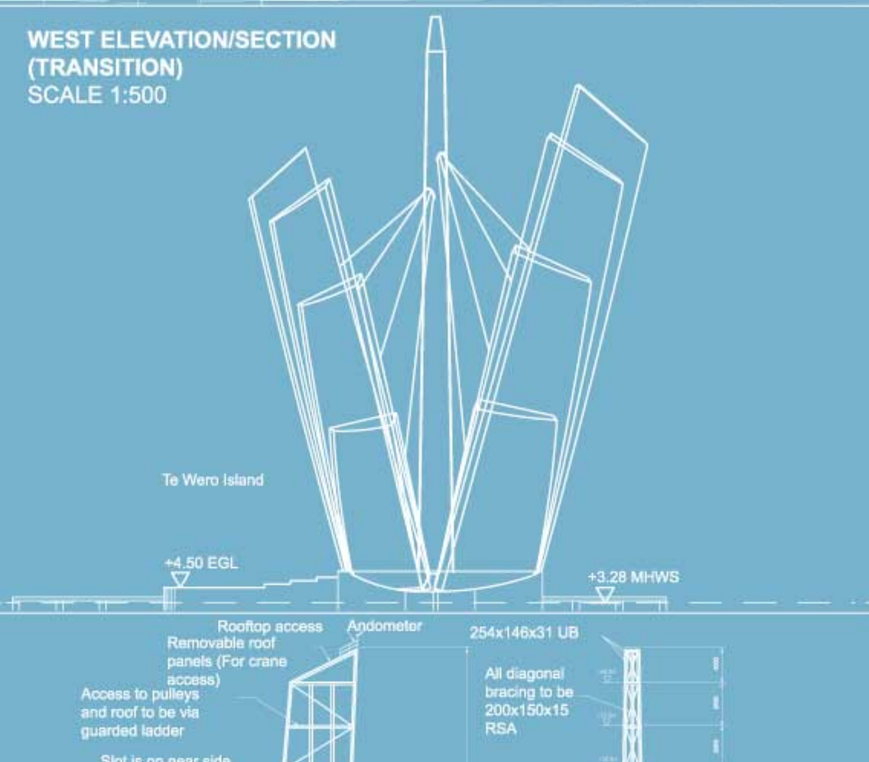


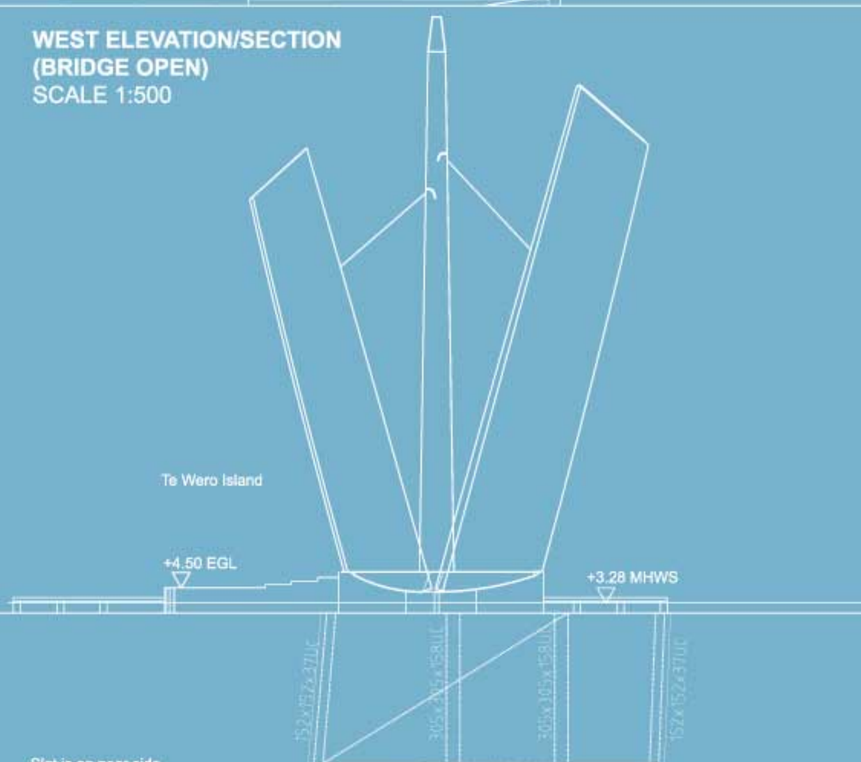
CAISSON PLAN
SCALE 1:300

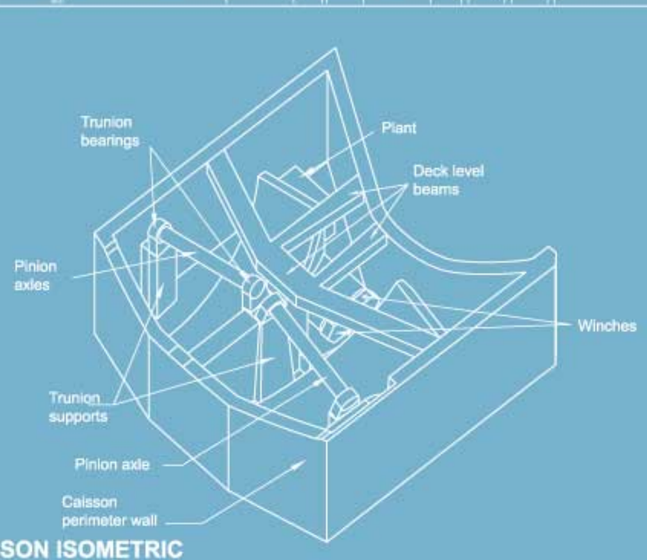
CT102 #2



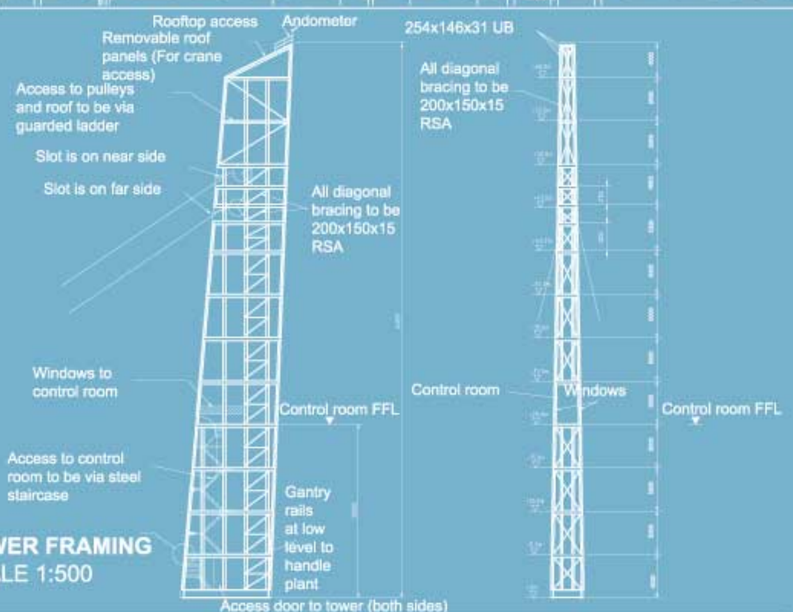




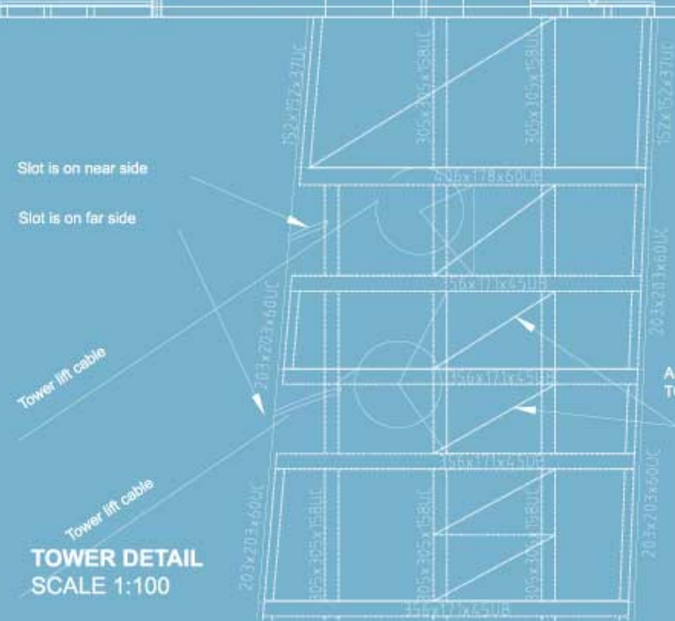




CAISSON ISOMETRIC
SCALE 1:300



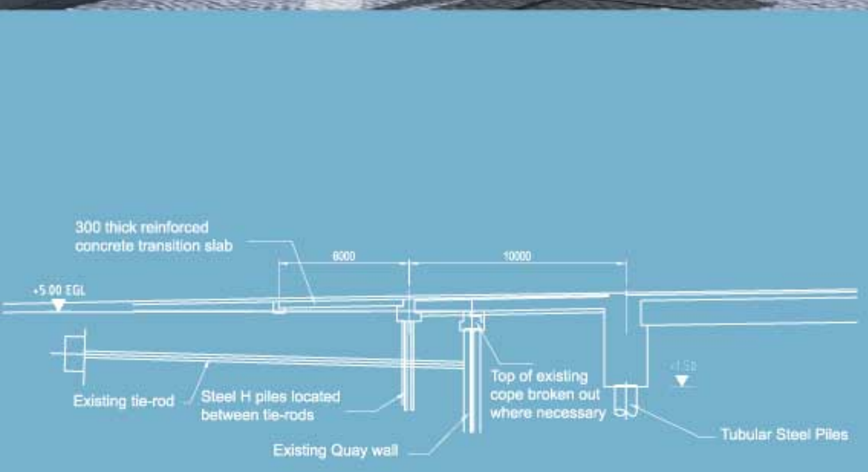
TOWER FRAMING
SCALE 1:500



TOWER DETAIL
SCALE 1:100

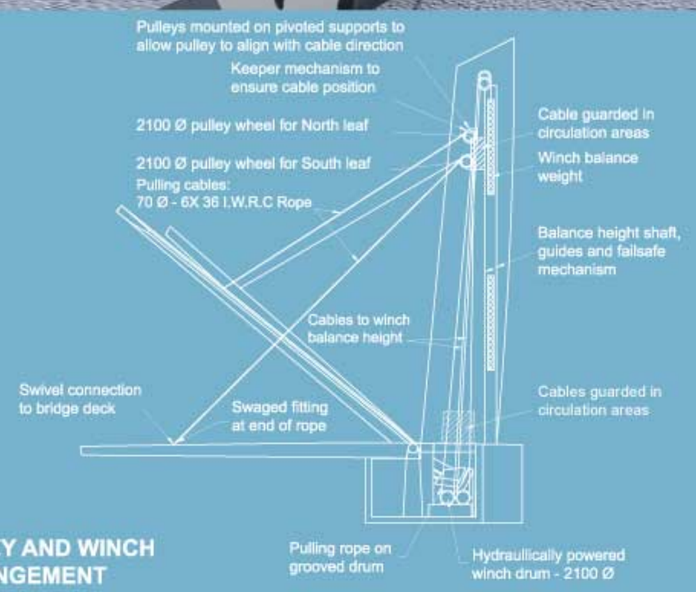
CT102 #3

VIEW OF BRIDGE IN CLOSED POSITION LOOKING WEST

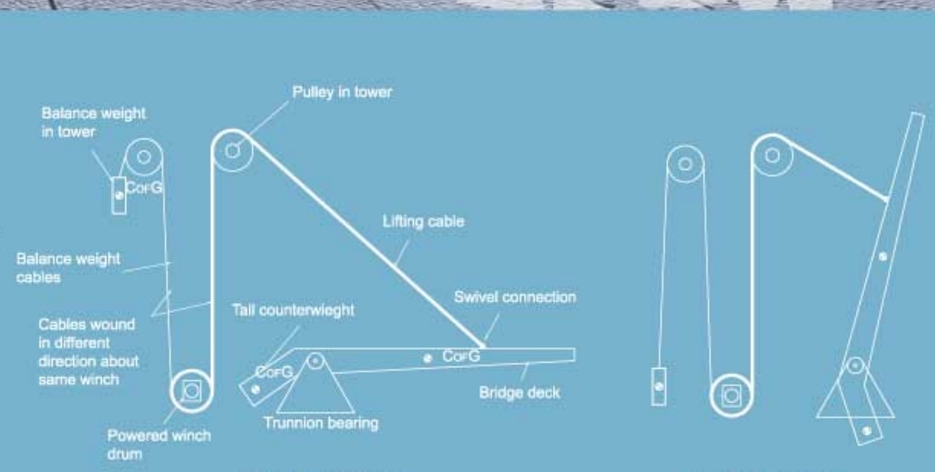


JUNCTION OF BRIDGE AND HALSEY STREET RECLAMATION

SCALE 1:200



PULLEY AND WINCH ARRANGEMENT



BRIDGE OPERATION SCHEMATIC

CT102 #4