

別添 1：概略設計図

THE PREPARATORY STUDY
ON
THE PROJECT FOR RECONSTRUCTION OF BRIDGES
ON MANAGUA-EL RAMA ROAD
IN
THE REPUBLIC OF NICARAGUA

JULY 2010

JAPAN INTERNATIONAL COOPERATION AGENCY

CTI ENGINEERING INTERNATIONAL CO.,LTD.

LAS BANDERAS BRIDGE

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TRANSPORT AND INFRASTRUCTURE
(MTI)

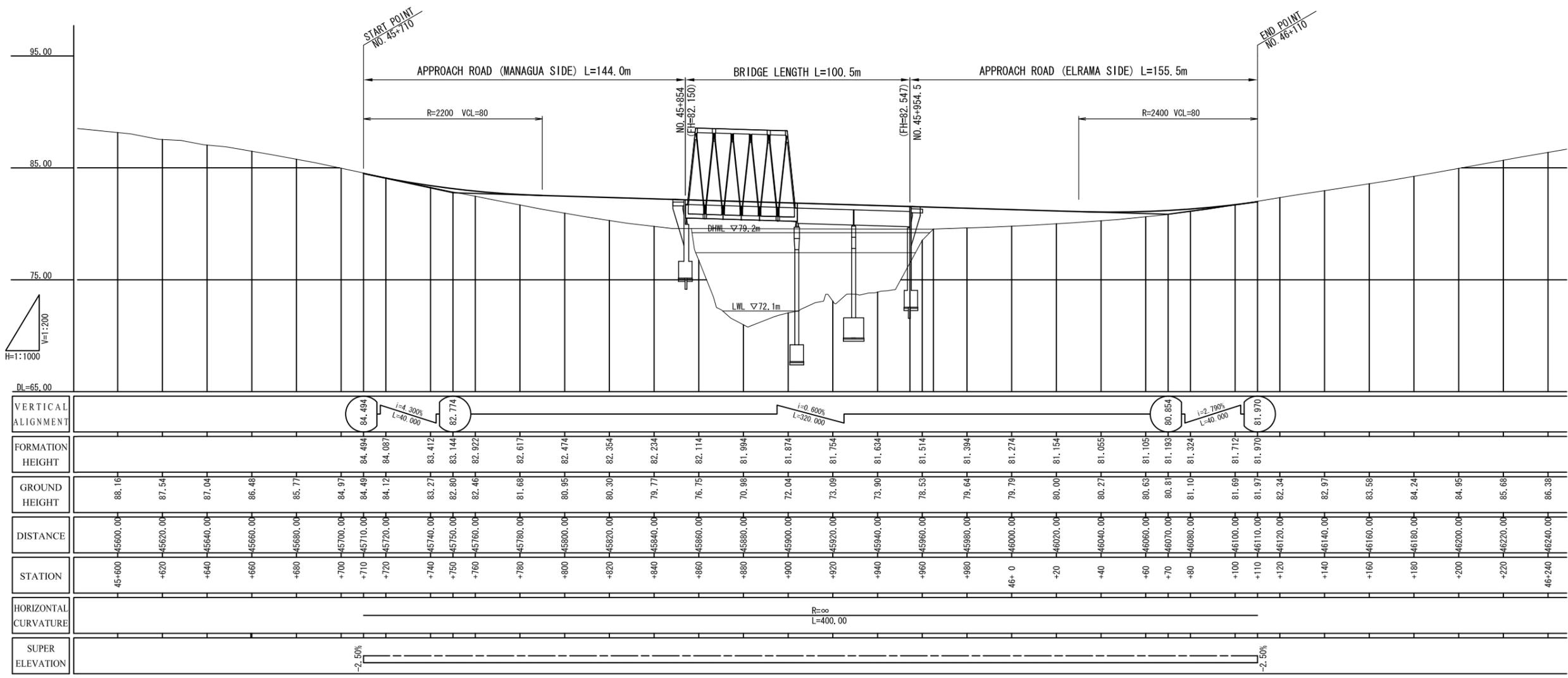
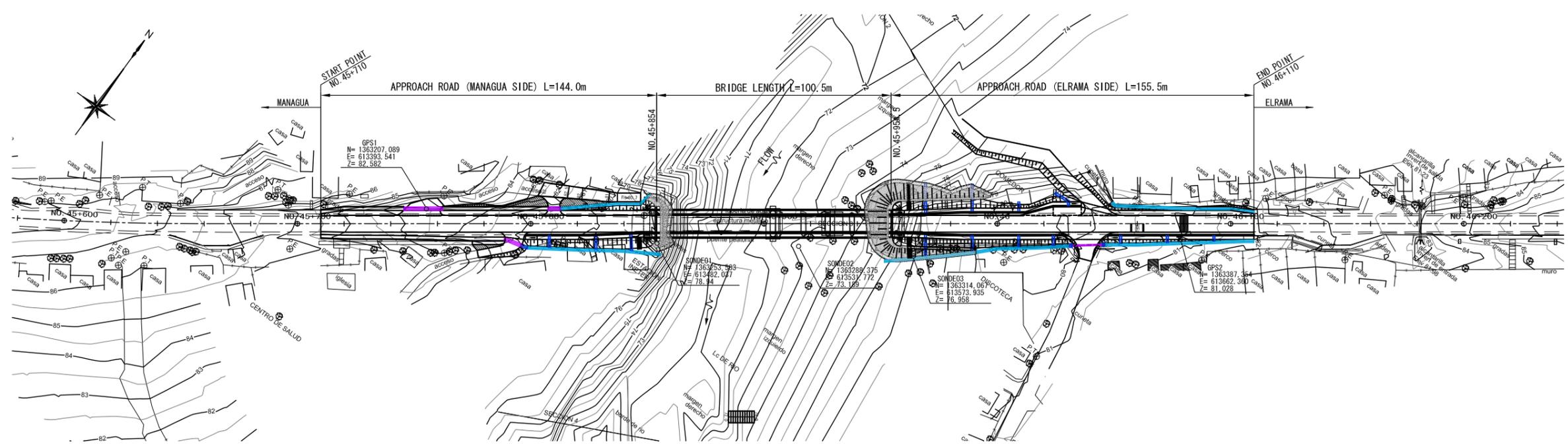
THE PREPARATORY STUDY ON
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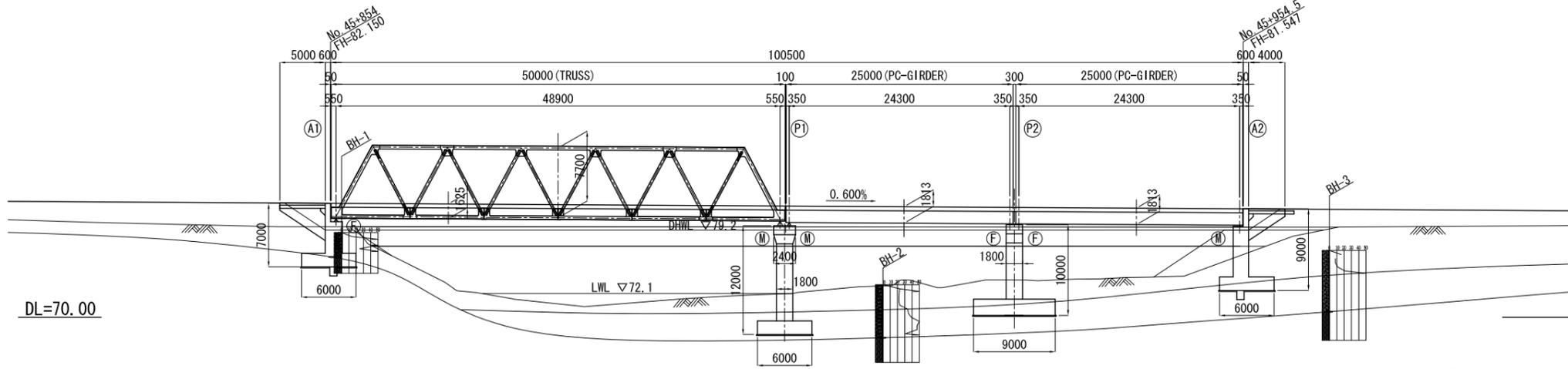
TITLE :
LOCATION MAP (LAS BANDERAS)

SCALE(A1size)
1:1,500,000

Drawing No.
LB-01

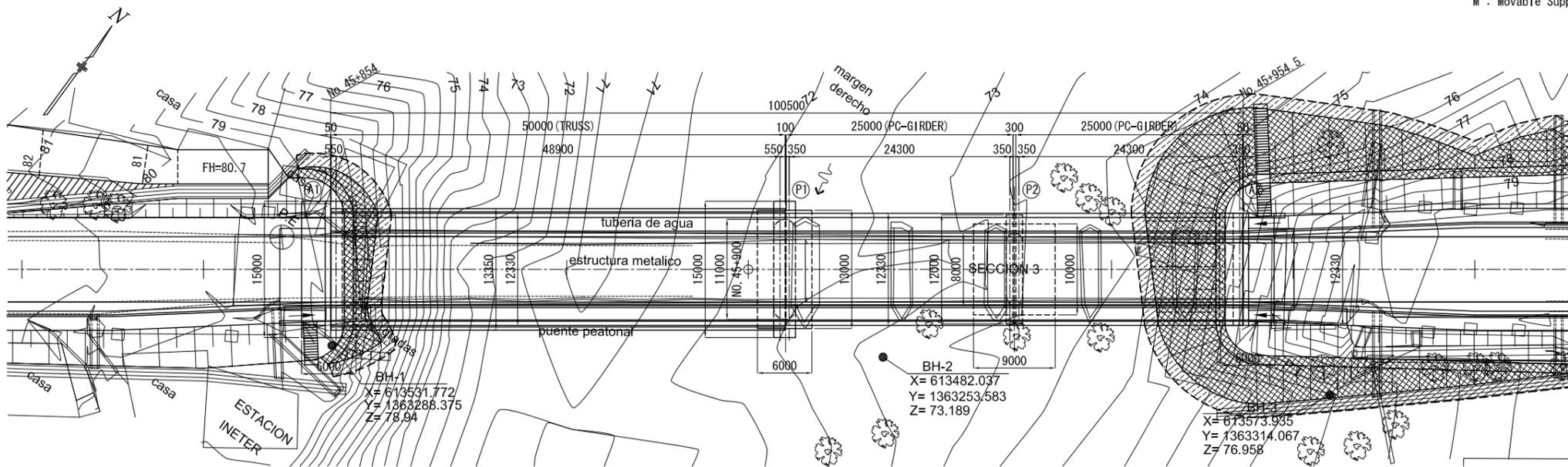


GENERAL VIEW OF LAS BANDERAS BRIDGE

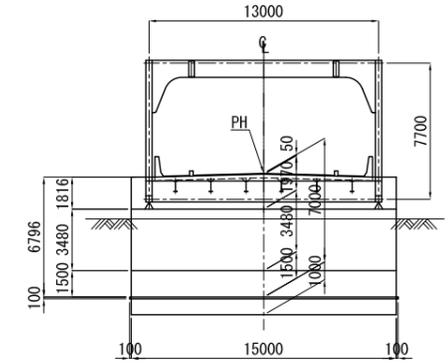


PROFILE SCALE 1:300

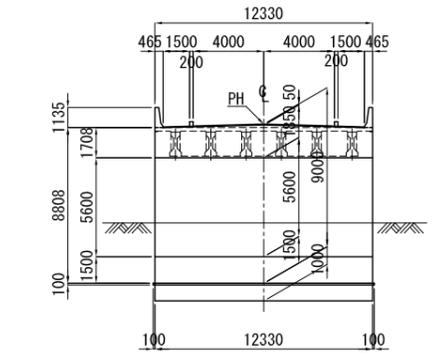
Note
 F : Fixed Support
 M : Movable Support



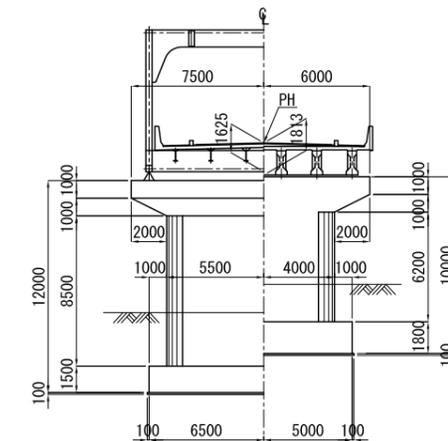
PLAN SCALE 1:300



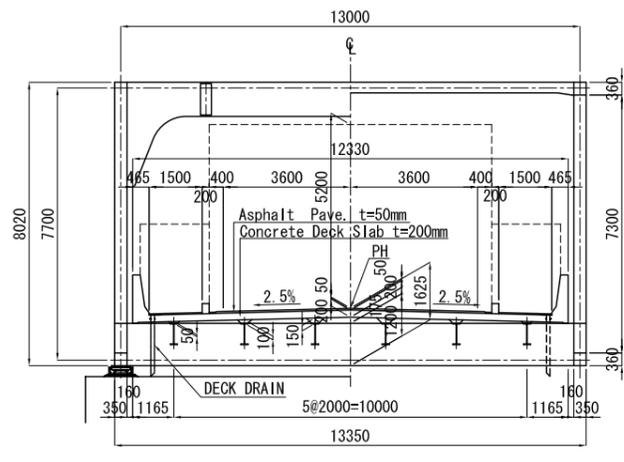
A1 ABUTMENT SCALE 1:200



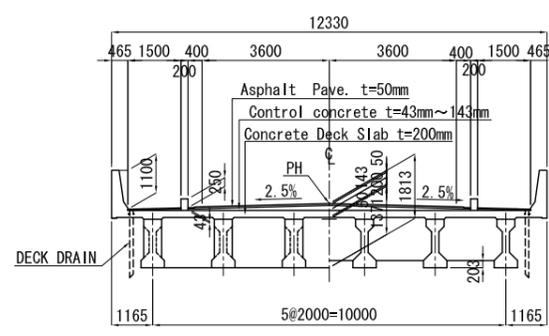
A2 ABUTMENT SCALE 1:200



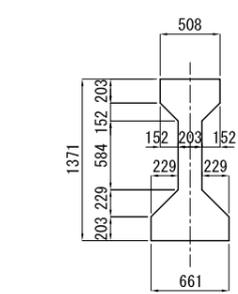
P1 P2
PIERS SCALE 1:200



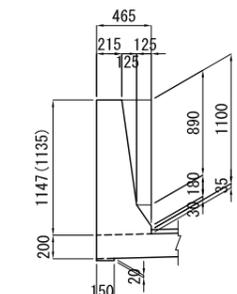
END MIDDLE
TRUSS



END MIDDLE
PC-GIRDER



PC GIRDER TYPE IV SCALE 1:30

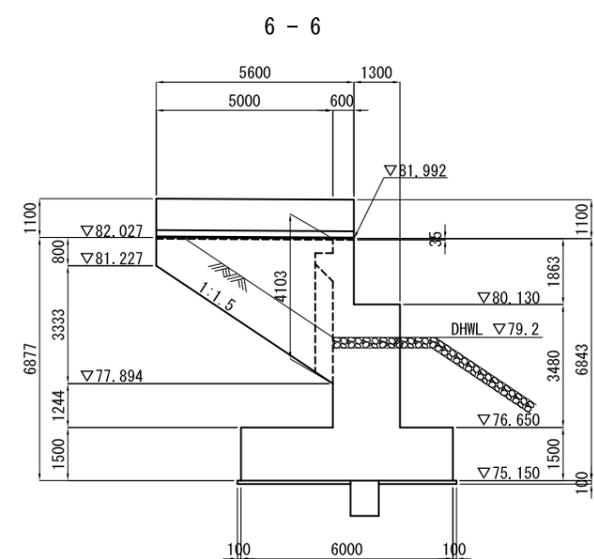
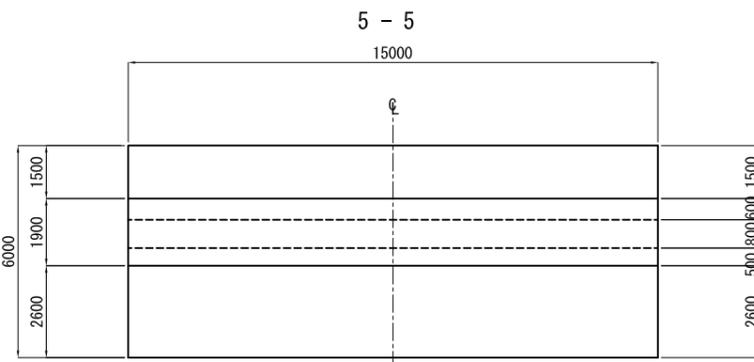
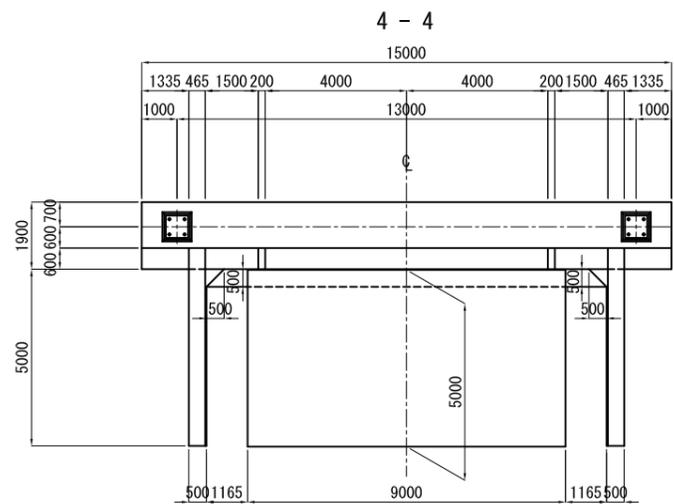
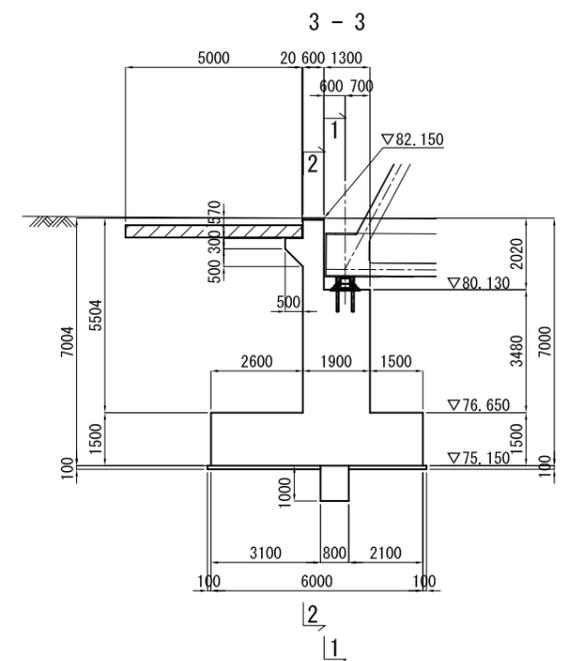
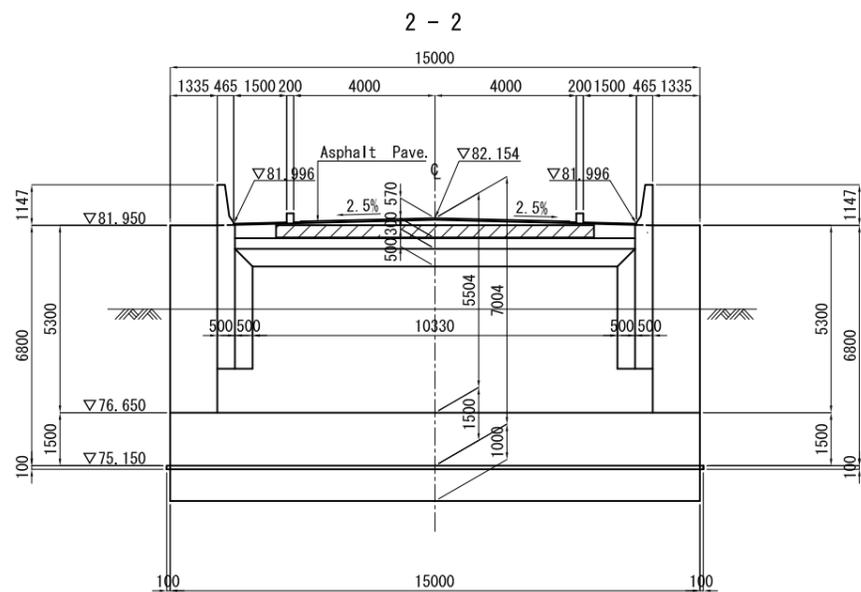
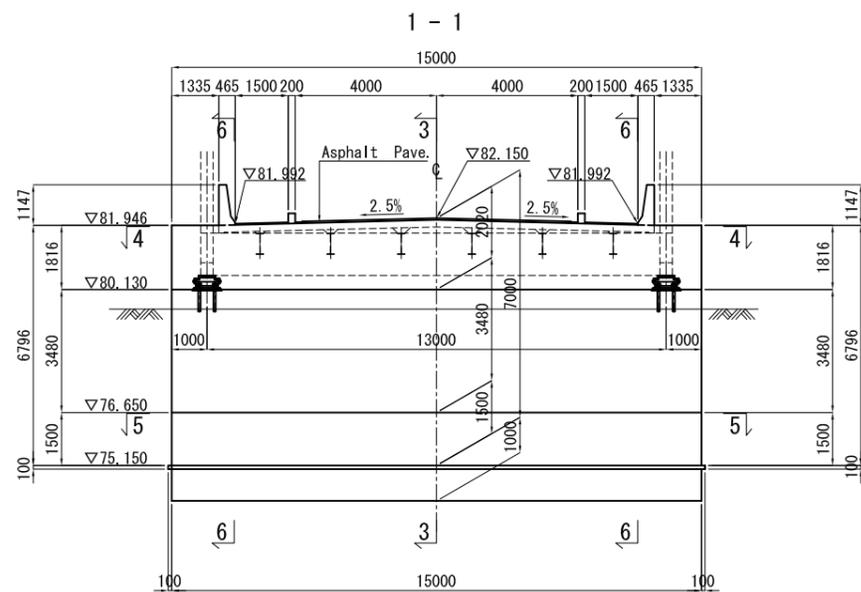


DETAILS OF RAILING SCALE 1:30

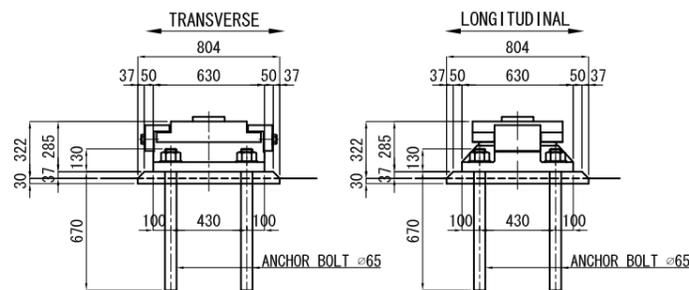
BRIDGE CROSS SECTION SCALE 1:100

DESIGN CRITERIA	
Classification of Road	Arterial Road
Design Speed	80km/h
Live load	AASHTO HS20-44 x 125% or equivalent
Bridge Length	100.50m
Span Length	48.90m+24.30m+24.30m
Total Width	12.33m (Roadway 2 x 3.60m, Sidwalk 2 x 1.50m)
Design Seismic Coefficient	kh=0.3
Superstructure Type	Steel Truss and PC I-Girder
Substructure Type	Reversed T abutment, wall type concrete pier
Foundation Type	Spread Footing
Specification Criteria	Specifications for Highway Bridges (Japan Road Asso.) Standard Specifications for Highway Bridges (AASHTO)

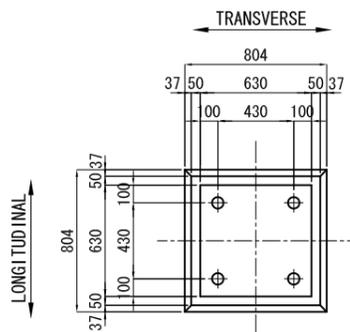
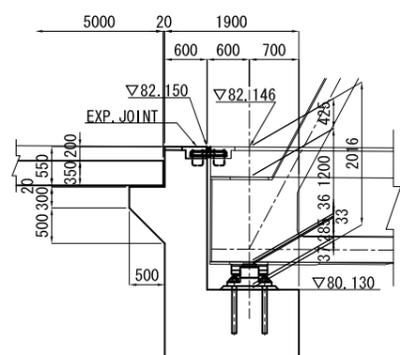
STRUCTURAL DRAWING OF A1 ABUTMENT SCALE 1:100



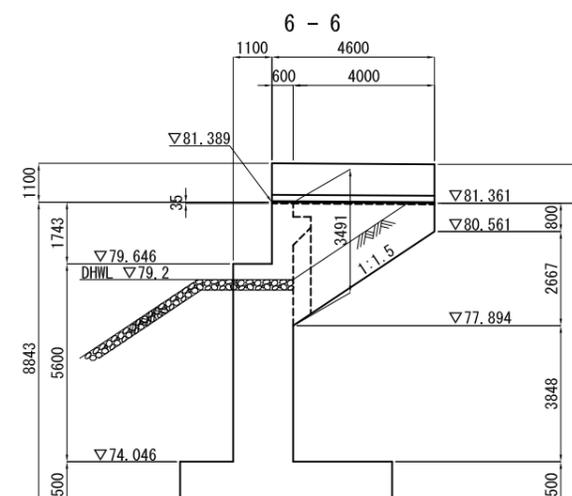
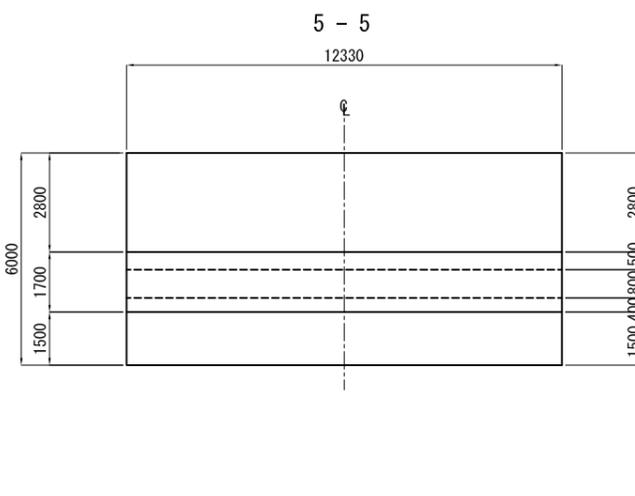
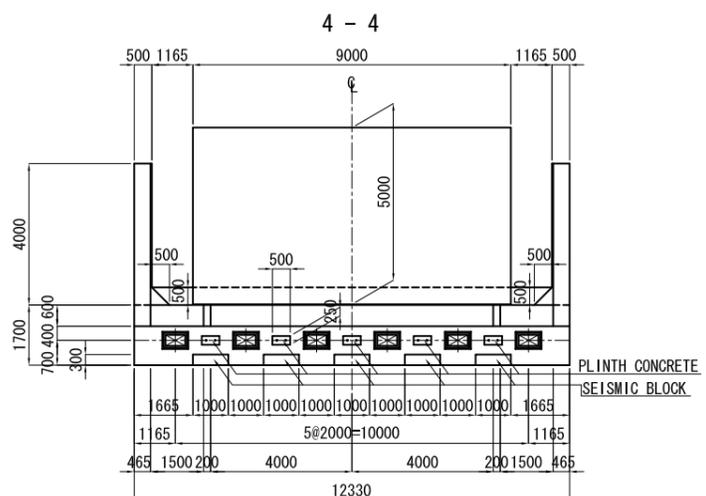
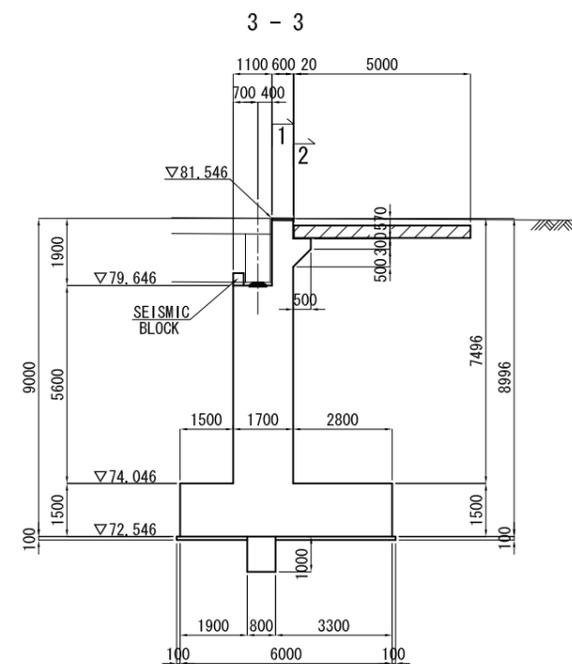
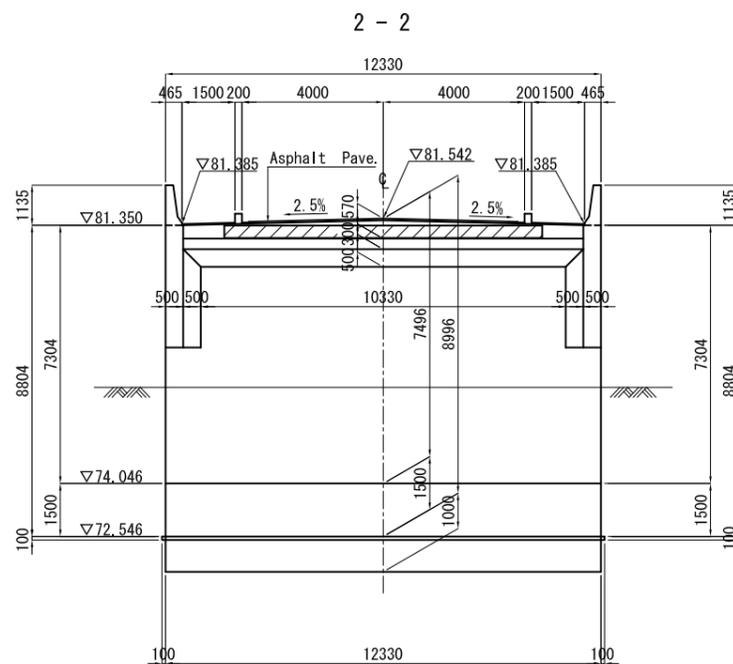
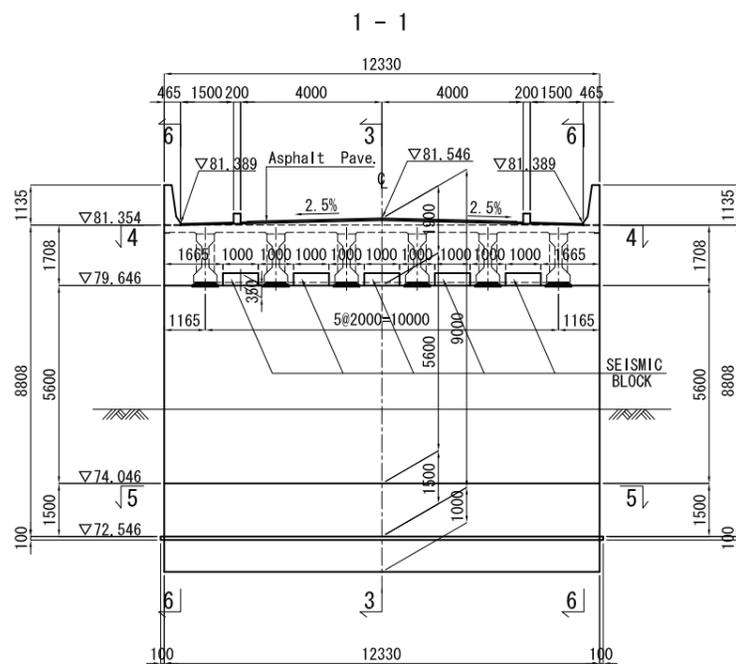
DETAILS SCALE 1:20



DETAILS SCALE 1:50

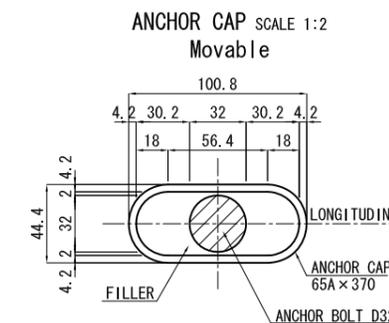
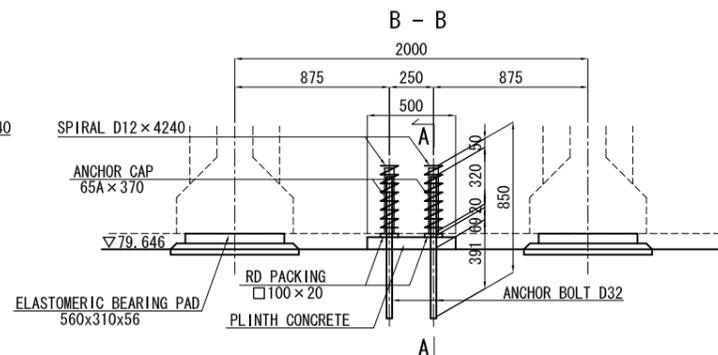
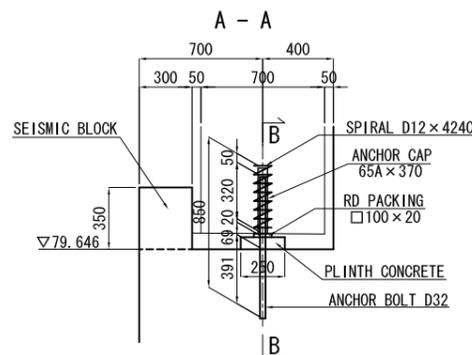
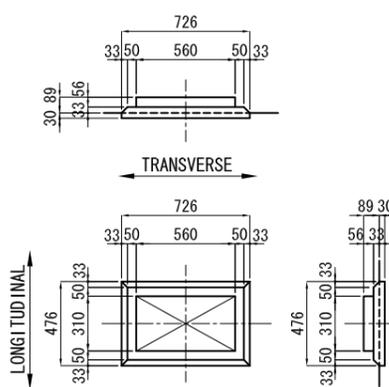
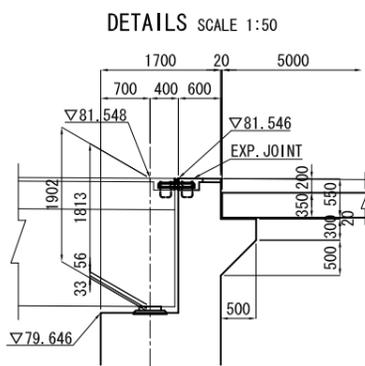


STRUCTURAL DRAWING OF A2 ABUTMENT SCALE 1:100

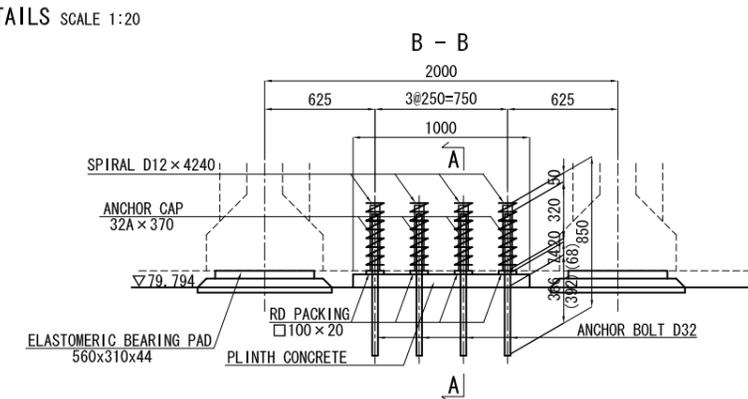
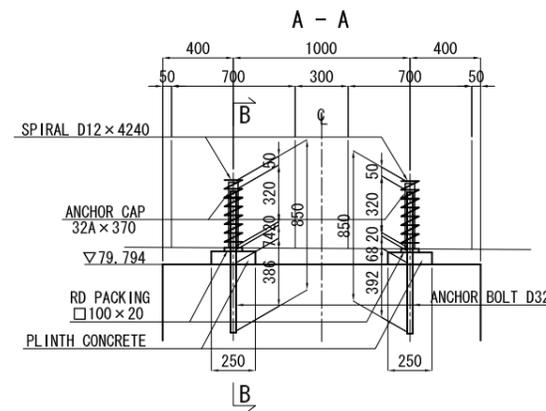
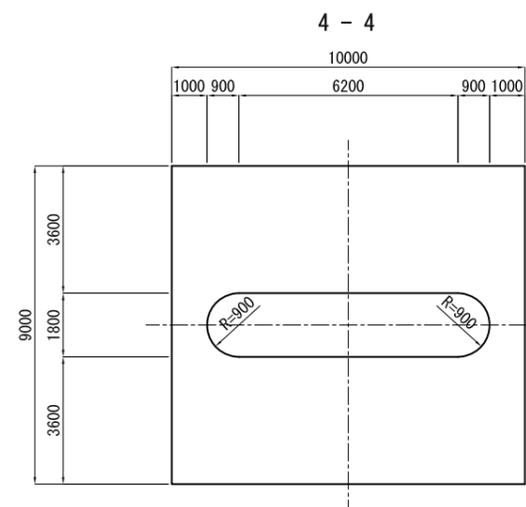
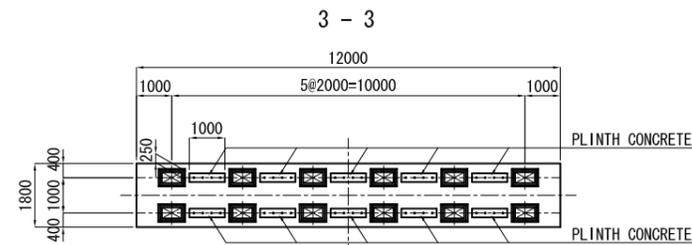
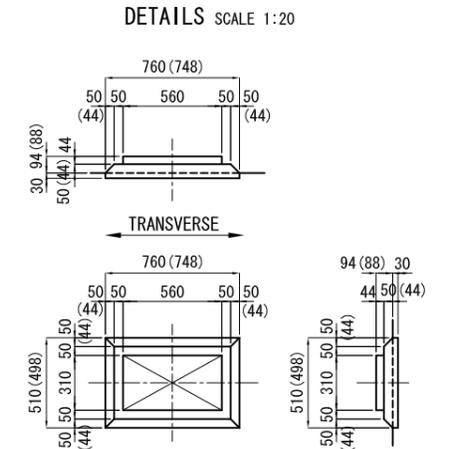
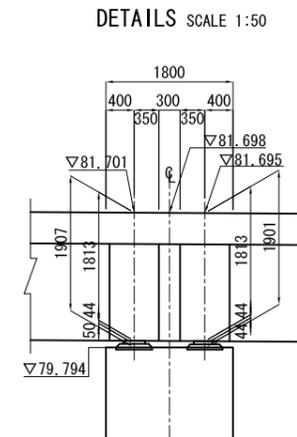
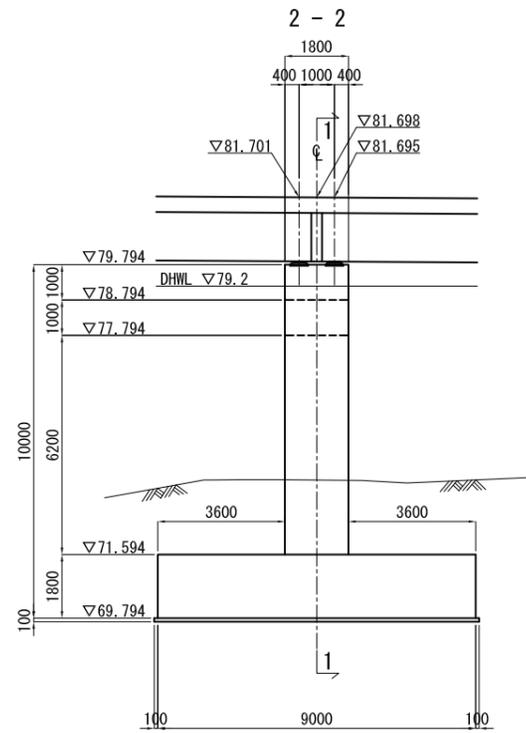
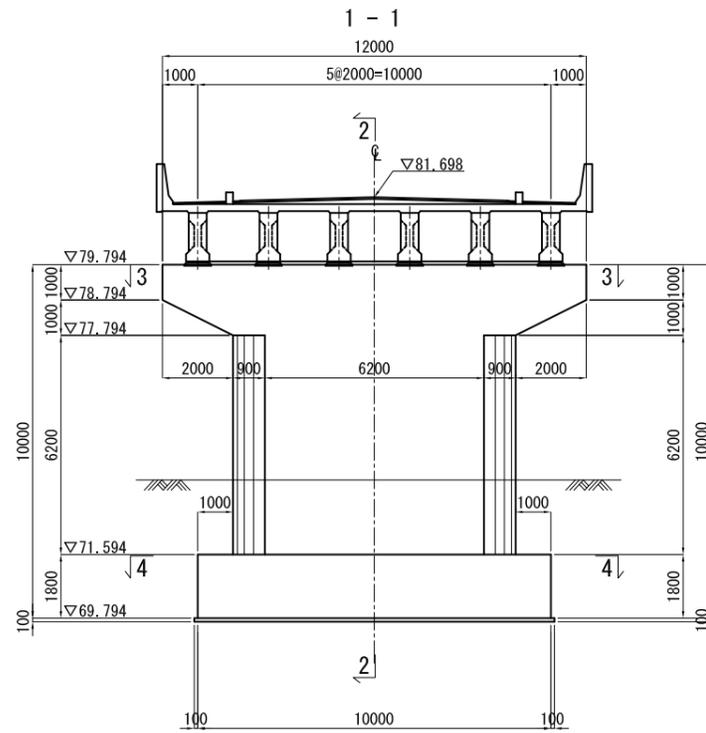


DETAILS SCALE 1:20

DETAILS SCALE 1:20



STRUCTURAL DRAWING OF P2 BRIDGE PIER SCALE 1:100



ANCHOR CAP SCALE 1:2
Fixed

