

TECOLOSTOTE BRIDGE

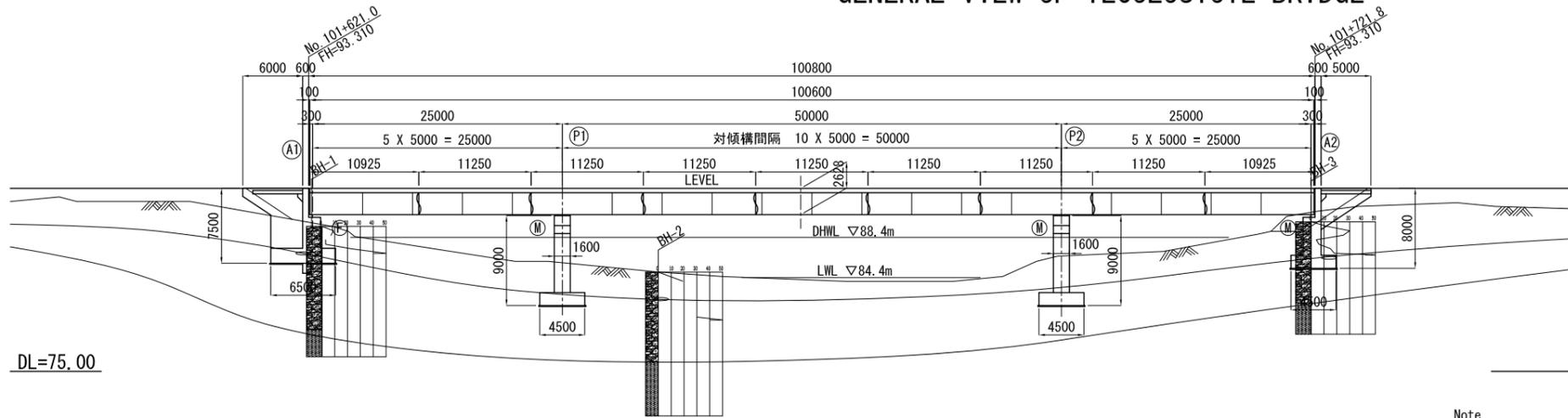
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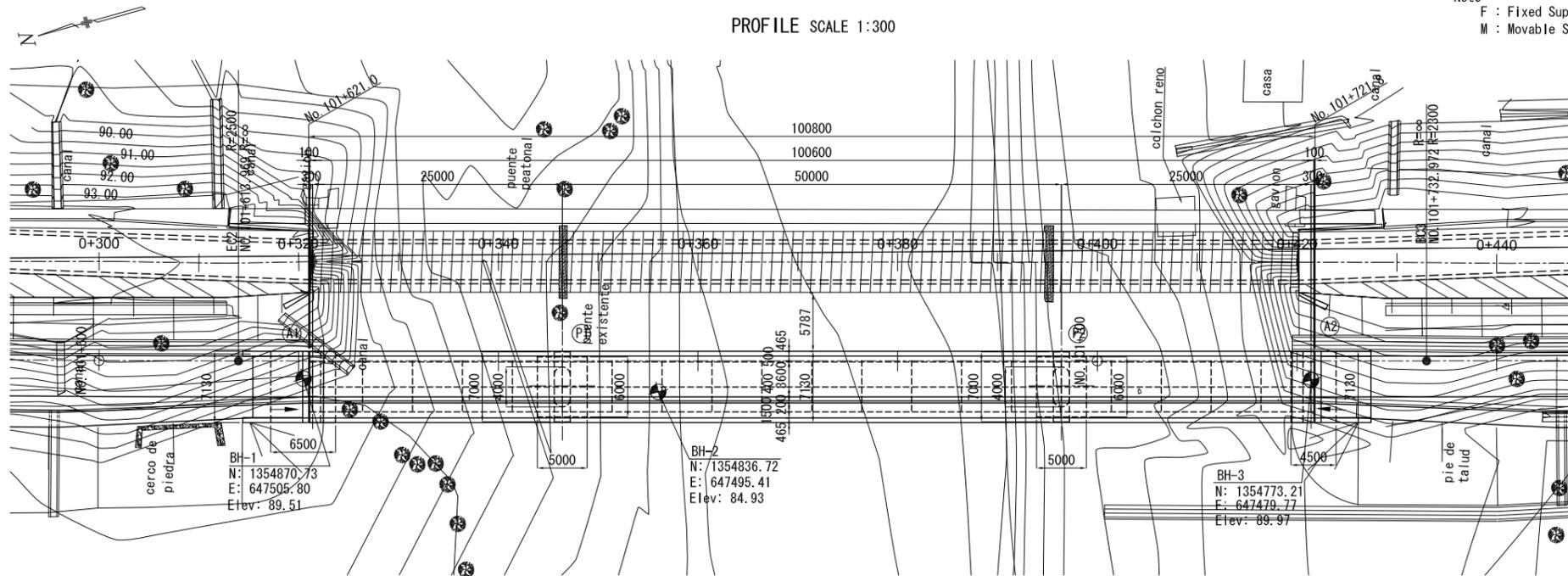
<p>MINISTRY OF TRANSPORT AND INFRASTRUCTURE (MTI)</p>	<p>THE PREPARATORY STUDY ON THE PROJECT FOR RECONSTRUCTION OF BRIDGES ON MANAGUA - EL RAMA ROAD IN THE REPUBLIC OF NICARAGUA</p>	<p>JAPAN INTERNATIONAL COOPERATION AGENCY CTI ENGINEERING INTERNATIONAL CO., LTD.</p>	<p>TITLE : LOCATION MAP (TECOLOCTOTE)</p>	<p>SCALE(A1size) 1:1,500,000</p>	<p>Drawing No. TE-01</p>
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GENERAL VIEW OF TECOLOSTOTE BRIDGE

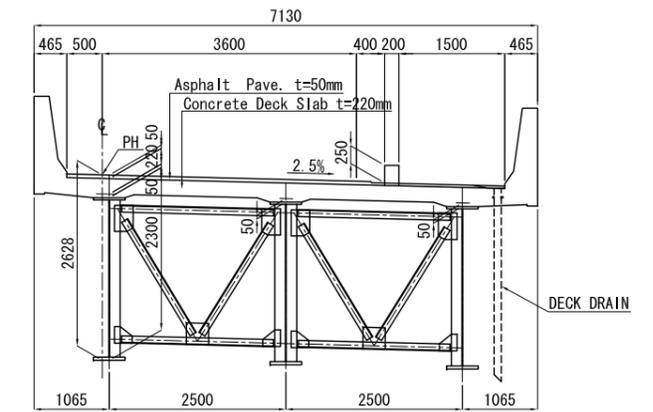


PROFILE SCALE 1:300

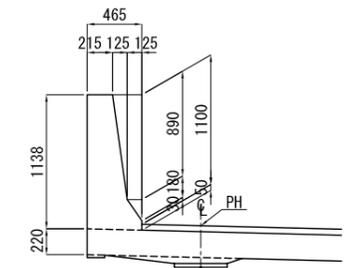
Note
 F : Fixed Support
 M : Movable Support



PLAN SCALE 1:300

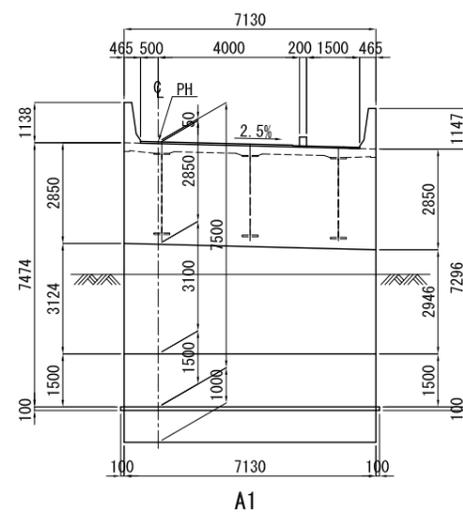


BRIDGE CROSS SECTION SCALE 1:50



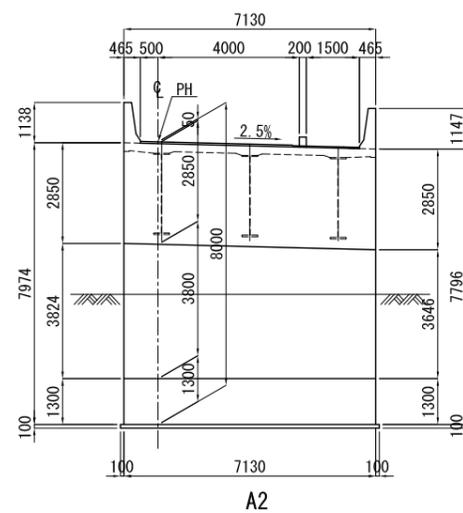
DETAILS OF RAILING SCALE 1:30

DESIGN CRITERIA	
Classification of Road	Arterial Road
Design Speed	80km/h
Live load	AASHTO HS20-44 x 125% or equivalent
Bridge Length	100.80m
Span Length	25.00m+50.00m+25.00m
Total Width	7.13m (Roadway 3.60m, Sidwalk 1.50m)
Design Seismic Coefficient	kh=0.2
Superstructure Type	Steel 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)

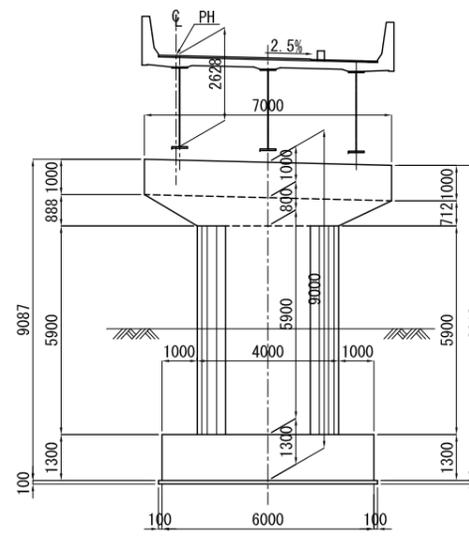


A1

ABUTMENT SCALE 1:100



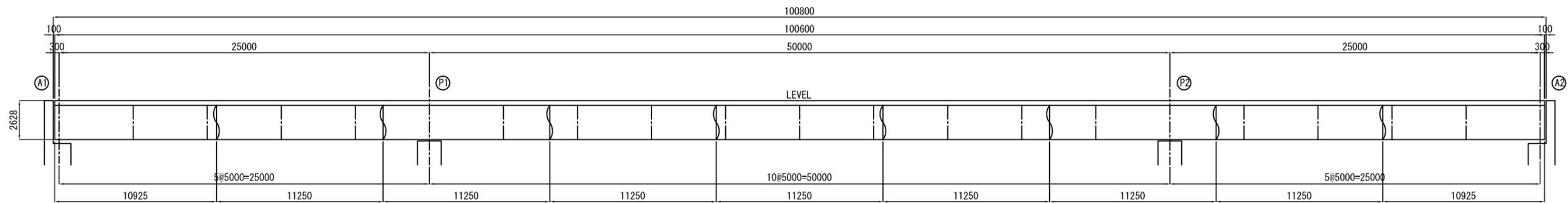
A2



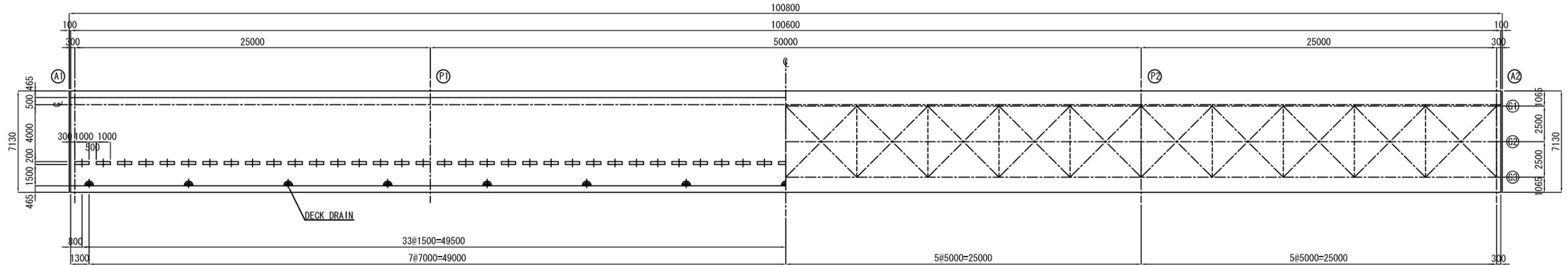
P1, P2 PIERS SCALE 1:100

STRUCTURAL DRAWING OF SUPERSTRUCTURE

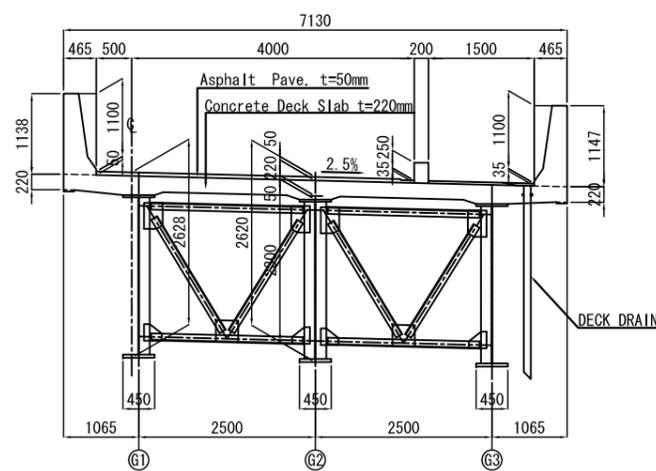
ELEVATION SCALE 1:150



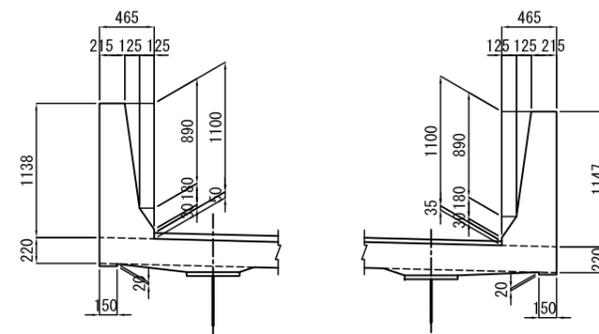
PLAN SCALE 1:150



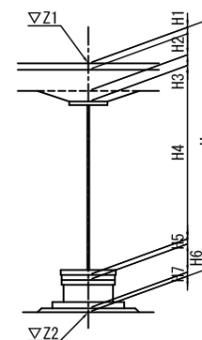
BRIDGE CROSS SECTION SCALE 1:50



DETAILS OF RAILING SCALE 1:30



DETAIL

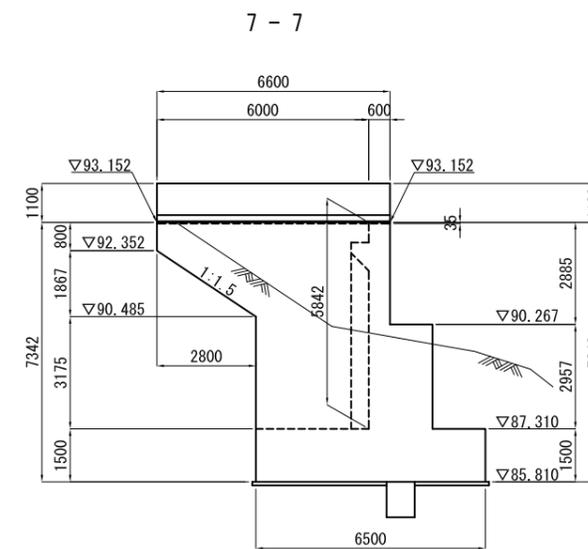
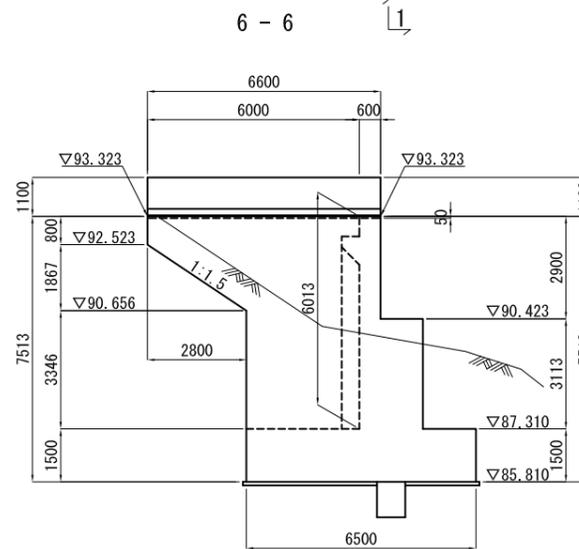
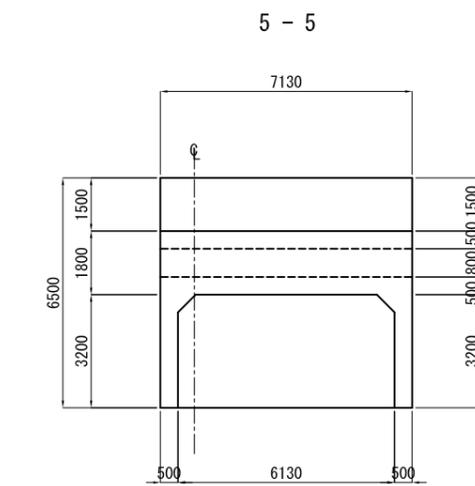
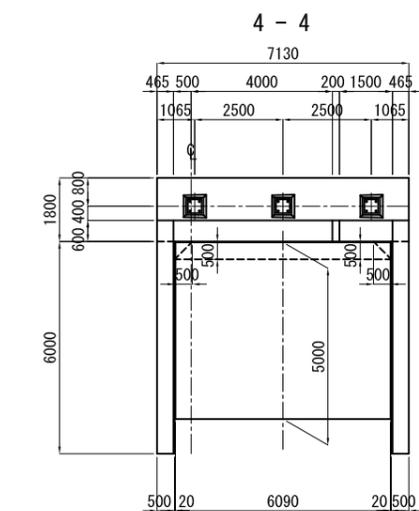
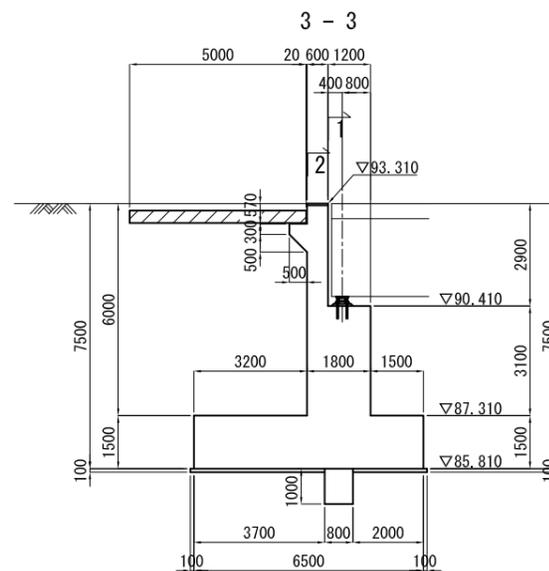
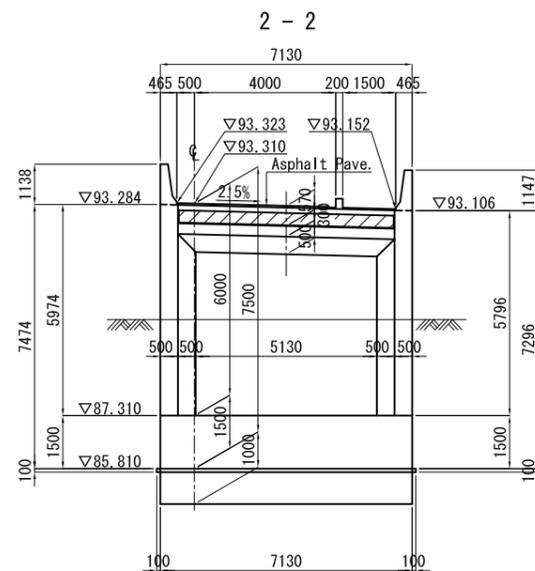
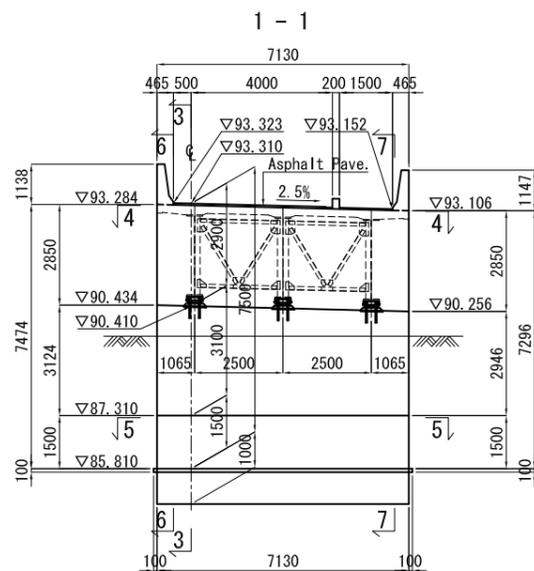


- Z1 : FORMATION HEIGHT
- H1 : PAVEMENT THICKNESS
- H2 : SLAB THICKNESS
- H3 : HAUNCH HEIGHT
- H4 : HEIGHT OF GIRDER
- H5 : SOLE PLATE
- H6 : BEARING HEIGHT
- H7 : MORTAR THICKNESS
- H : TOTAL HEIGHT
- Z2 : ELEVATION OF TOP OF PIER/ABUTMENT

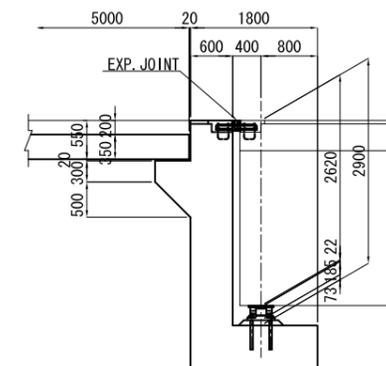
DIMENSION TABLE

		A1 (S1)			P1			P2			A2 (S2)		
		G1	G2	G3	G1	G2	G3	G1	G2	G3	G1	G2	G3
FORMATION HEIGHT	Z1	93.308	93.245	93.168	93.308	93.245	93.168	93.308	93.245	93.168	93.308	93.245	93.168
PAVEMENT THICKNESS	H1	0.050	0.050	0.035	0.050	0.050	0.035	0.050	0.050	0.035	0.050	0.050	0.035
SLAB THICKNESS	H2	0.220	0.220	0.220	0.220	0.220	0.220	0.220	0.220	0.220	0.220	0.220	0.220
HAUNCH HEIGHT	H3	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
HEIGHT OF GIRDER	H4	2.300	2.300	2.300	2.300	2.300	2.300	2.300	2.300	2.300	2.300	2.300	2.300
SOLE PLATE	H5	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
BEARING HEIGHT	H6	0.185	0.185	0.185	0.260	0.260	0.260	0.260	0.260	0.260	0.185	0.185	0.185
MORTAR THICKNESS	H7	0.073	0.073	0.073	0.050	0.050	0.050	0.050	0.050	0.050	0.073	0.073	0.073
TOTAL HEIGHT	H	2.900	2.900	2.885	2.952	2.952	2.937	2.952	2.952	2.937	2.900	2.900	2.885
ELEVATION OF TOP OF PIER/ABUTMENT	Z2	90.408	90.345	90.283	90.356	90.293	90.231	90.356	90.293	90.231	90.408	90.345	90.283

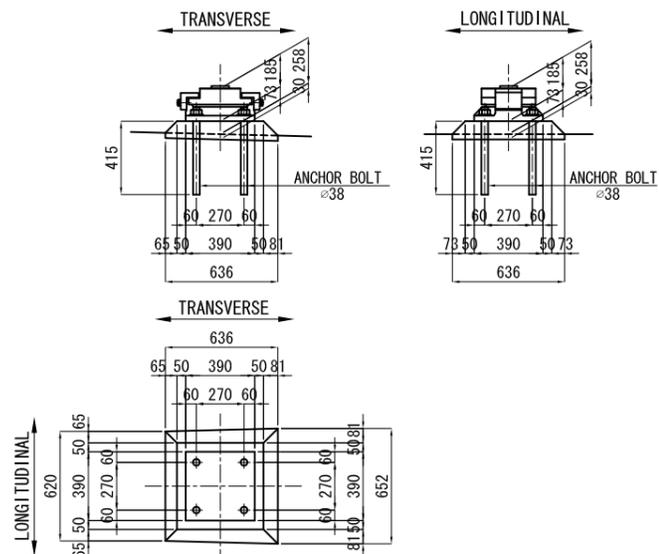
STRUCTURAL DRAWING OF A1 ABUTMENT SCALE 1:100



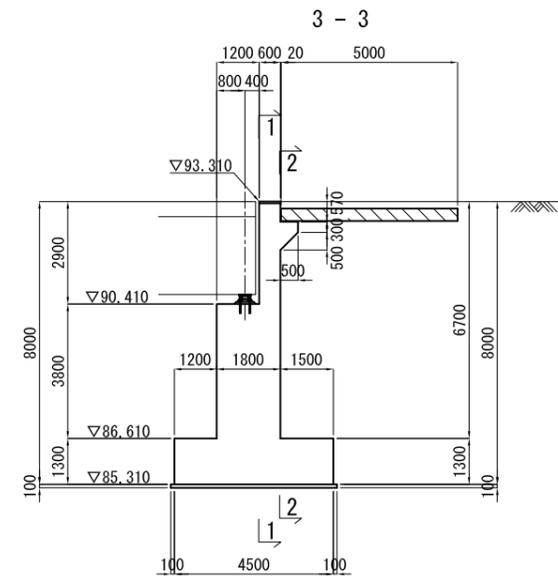
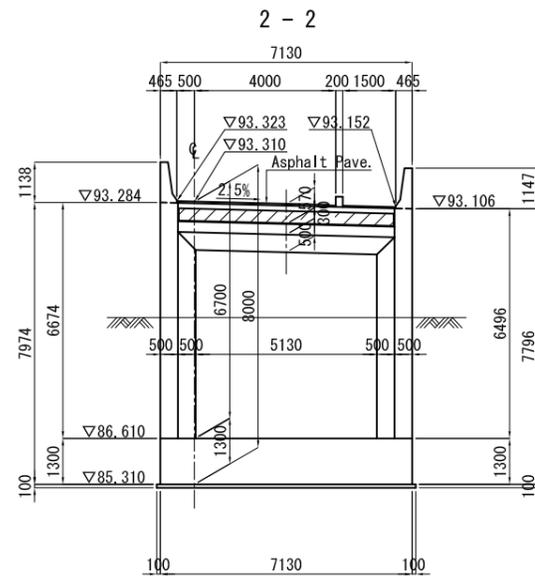
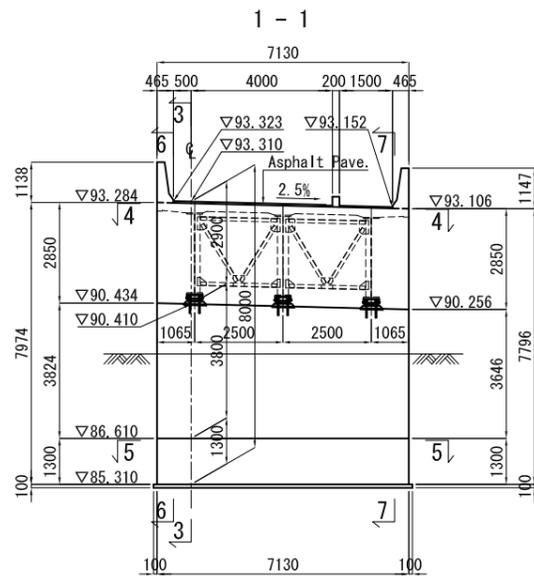
DETAILS SCALE 1:50



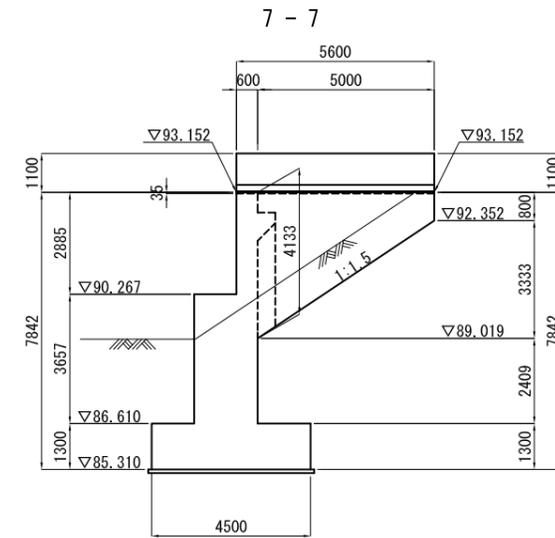
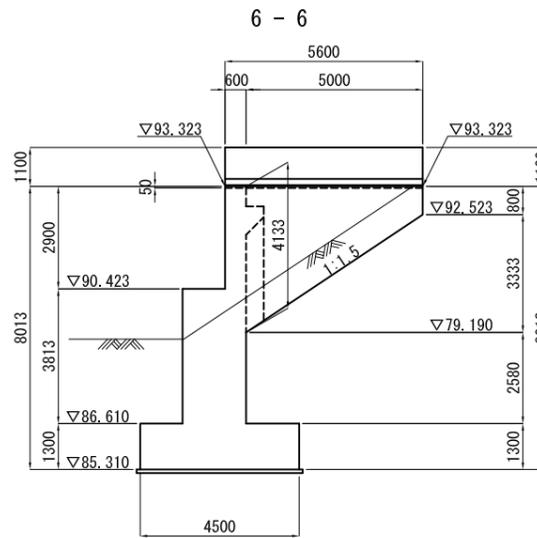
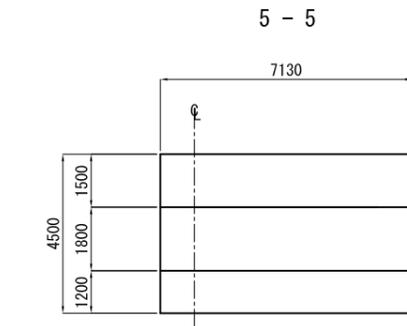
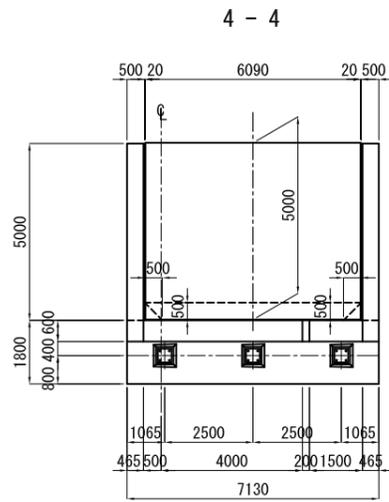
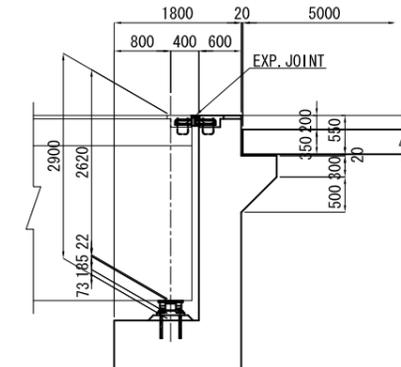
DETAILS SCALE 1:20



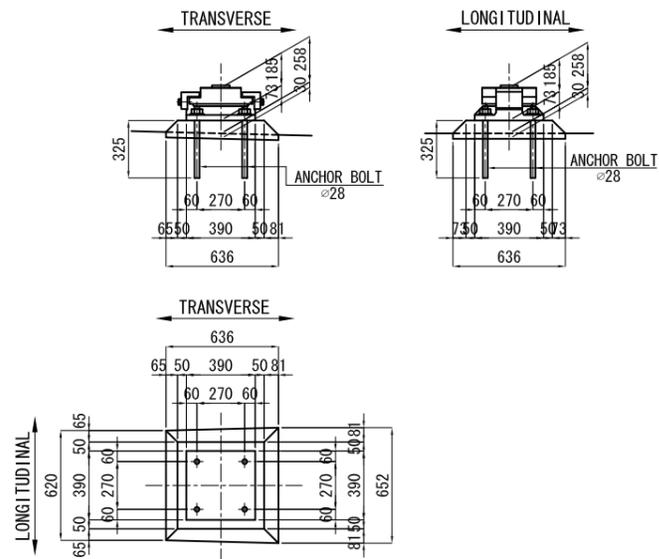
STRUCTURAL DRAWING OF A2 ABUTMENT SCALE 1:100



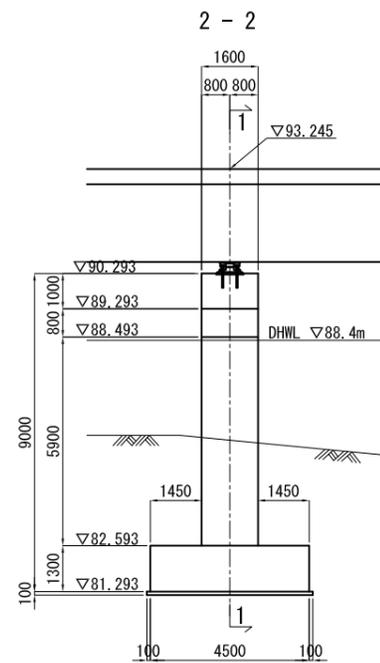
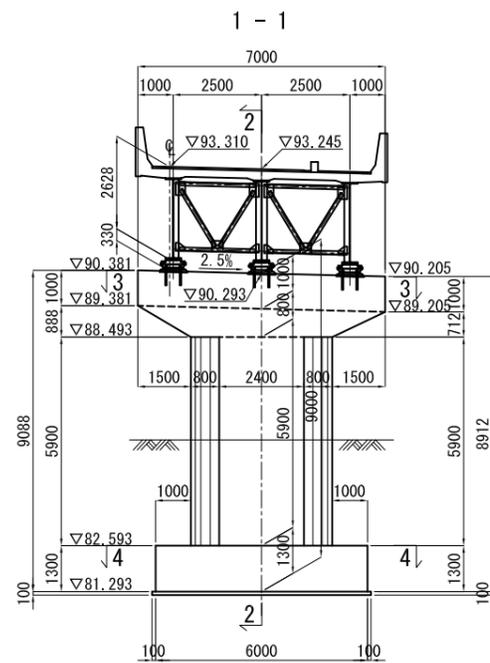
DETAILS SCALE 1:50



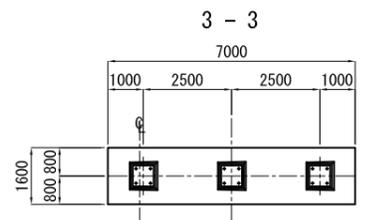
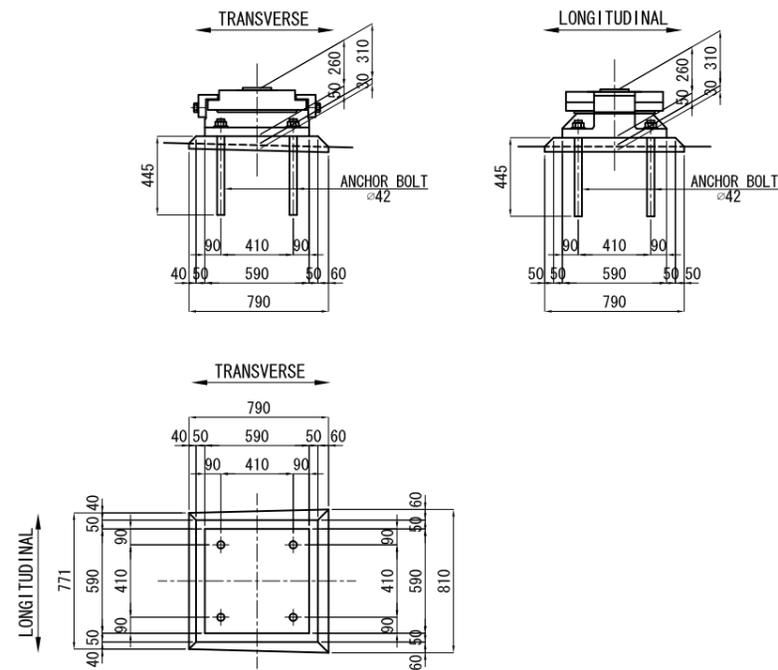
DETAILS SCALE 1:20



STRUCTURAL DRAWING OF P1,P2 BRIDGE PIER SCALE 1:100



DETAILS SCALE 1:20



DETAILS SCALE 1:50

