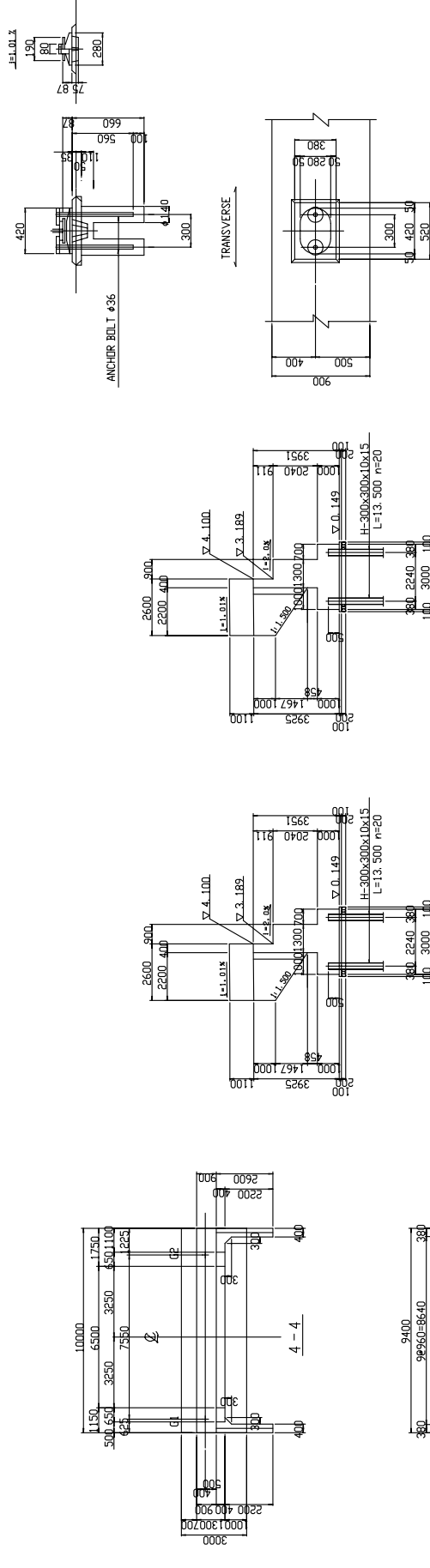
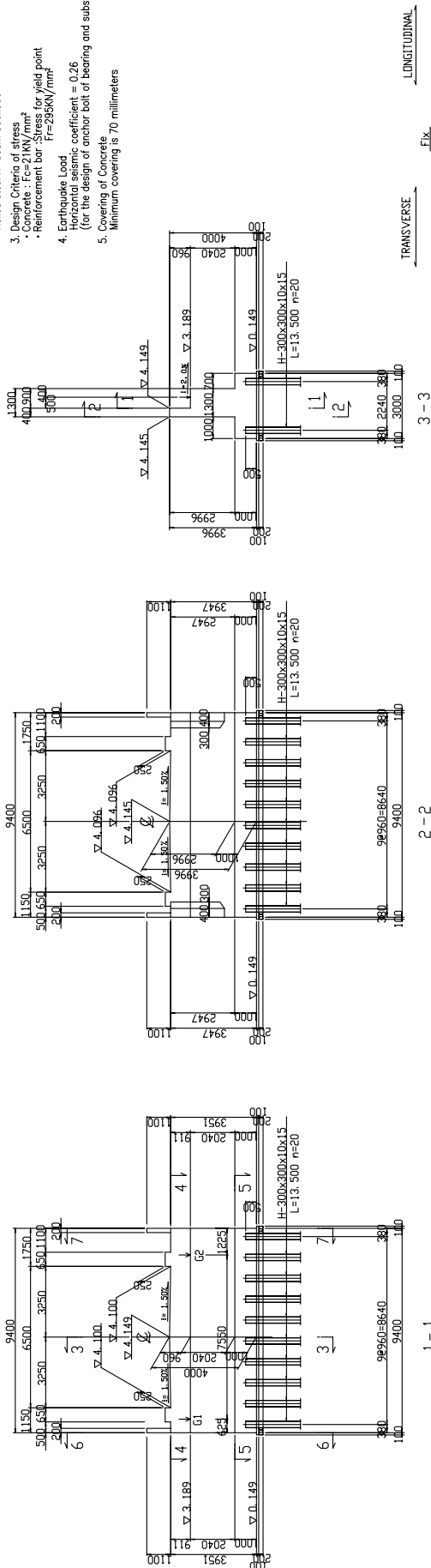


STRUCTURE DRAWING OF A1-ABUTMENT SCALE 1:100

Design Criteria of Substructures

1. Type of Abutment
Inverted-T wall type abutment
2. Type of Foundations
Rolled steel H-beam 300x300
3. Design Criteria of stress
Concrete : $f_c = 21 \text{ KN/mm}^2$
Reinforcement bar : $f_y = 235 \text{ KN/mm}^2$
4. Earthquake Load
Seismic coefficient = 0.26
(for the design of anchor bolt of bearing and substructure)
5. Covering of Concrete
Minimum covering is 70 millimeters

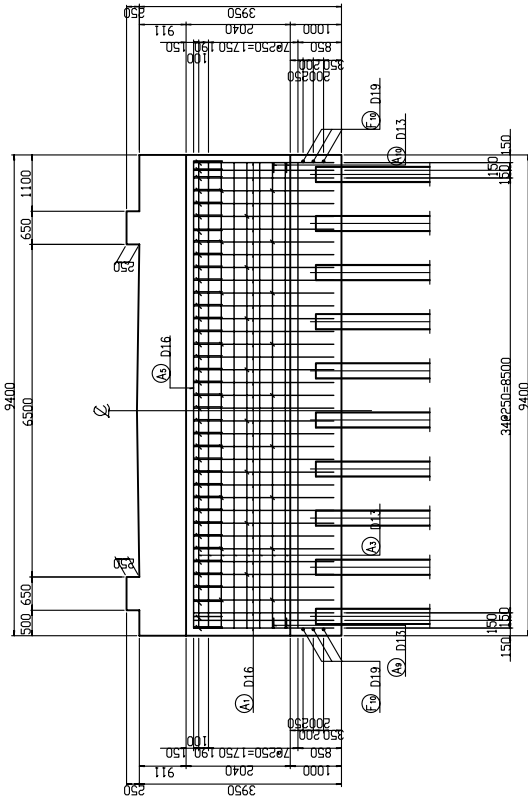


DETAILS OF SUPPORT ANCHOR SCALE 1:20

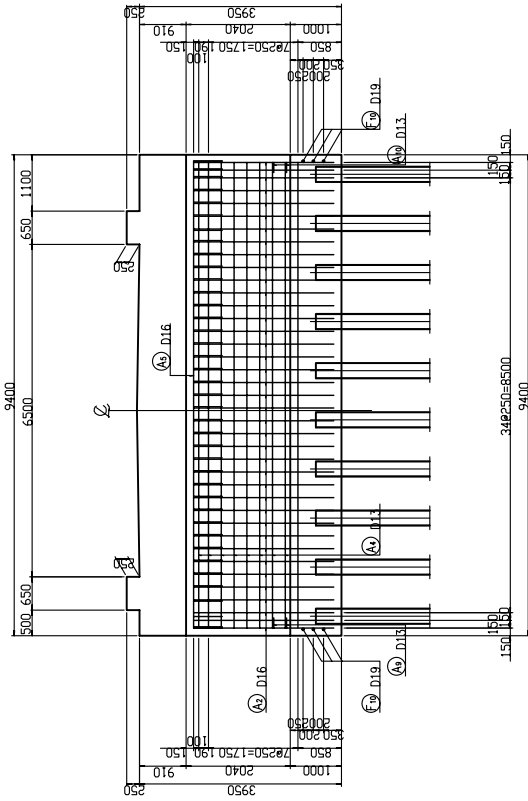
Note
All dimensions are shown in millimeter
unless otherwise indicated.

	GOVERNMENT OF THE REPUBLIC OF VANUATU PUBLIC WORKS DEPARTMENT	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL	PROJECT BASIC DESIGN STUDY ON THE PROJECT FOR THE REHABILITATION OF BRIDGES ON THE RING ROAD IN THE EFATE ISLAND	TITLE STRUCTURE DRAWING OF A1-ABUTMENT (RENTAPAO BRIDGE)	DRAWING No. 30
	Note All dimensions are shown in millimeter unless otherwise indicated.				

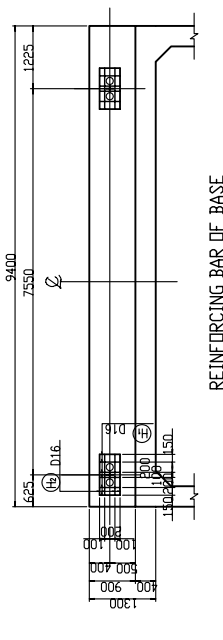
BAR ARRANGEMENT OF ABUTMENT A1,A2 (2) SCALE 1 : 50



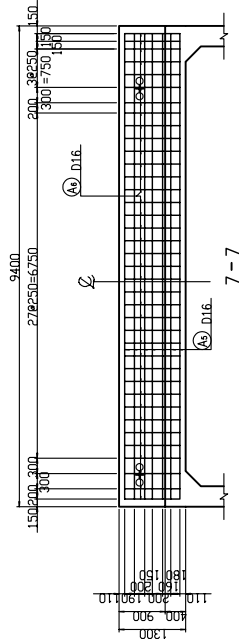
5 - 5



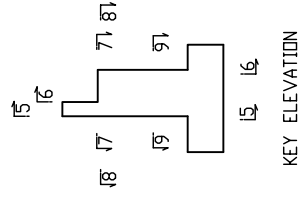
6 - 6



REINFORCING BAR OF BASE



7 - 7



KEY ELEVATION

Note
All dimensions are shown in millimeter
unless otherwise indicated.

	GOVERNMENT OF THE REPUBLIC OF VANUATU PUBLIC WORKS DEPARTMENT	JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS INTERNATIONAL	PROJECT : BASIC DESIGN STUDY ON THE PROJECT FOR THE REHABILITATION OF BRIDGES ON THE RING ROAD IN THE EFATE ISLAND	TITLE : BAR ARRANGEMENT OF ABUTMENT A1,A2 (2) (RENTAPAO BRIDGE)	DRAWING NO : 33
					33