

SITE PLAN

FINAL ASSIGNMENT



DEPARTMENT OF CIVIL ENGINEERING
FACULTY OF ENGINEERING
SULTAN AGUNG ISLAMIC UNIVERSITY
SEMARANG

Detail Engineering Design

DESIGN OF UPPER
STRUCTURE OF SUNDA
STRAIT SUSPENSION BRIDGE

Supervisor

Ir. Gatot Rusbintardjo, M.R.Eng.Sc., Ph.D

Co-Supervisor

Dr. Abdul Rochim, ST. MT

Drafted by:

Andi Kurniawan Arifin
3.02.017.00197

Title of Drawing

Number of Drawing	Total Drawing

--	--



DEPARTMENT OF CIVIL ENGINEERING
FACULTY OF ENGINEERING
SULTAN AGUNG ISLAMIC UNIVERSITY
SEMARANG

Detail Engineering Design

DESIGN OF UPPER
STRUCTURE OF SUNDA
STRAIT SUSPENSION BRIDGE

Supervisor

Ir. Gatot Rusbintardjo, M.R.Eng.Sc., Ph.D

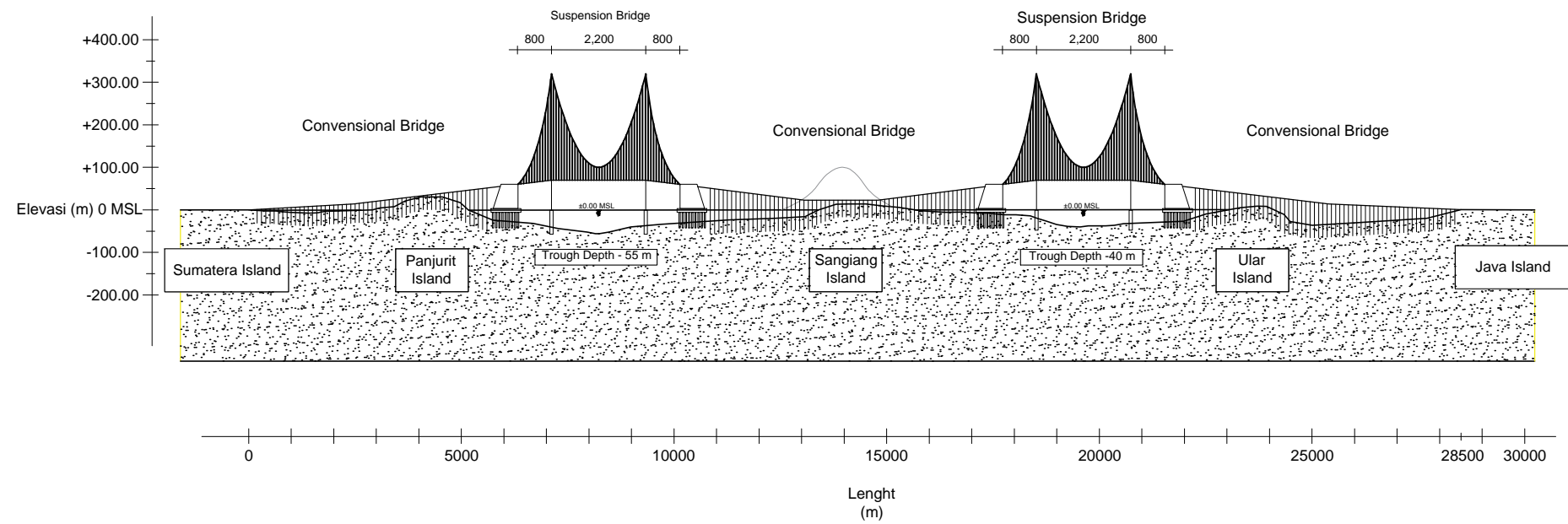
Co-Supervisor

Dr. Abdul Rochim, ST. MT

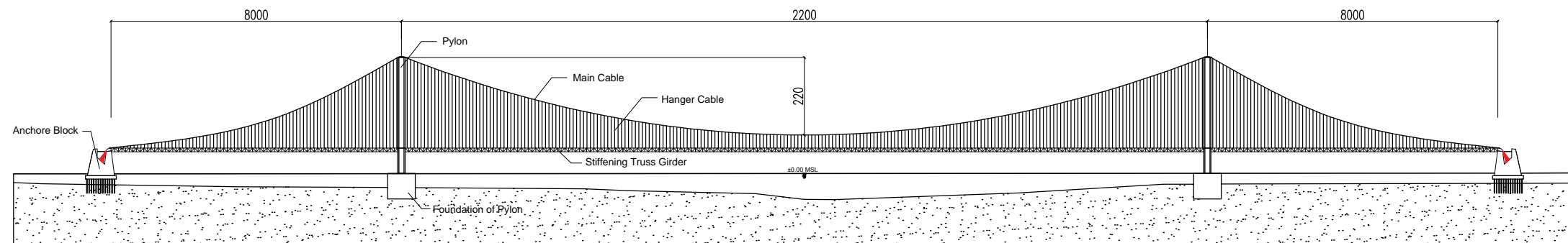
Drafted by:

Andi Kurniawan Arifin
3.02.017.00197

Title of Drawing



Long Section of Sunda Strait Bridge



Long Section of Suspension Bridge

SCALE / 1 : 150

Number of Drawing	Total Drawing



DEPARTMENT OF CIVIL ENGINEERING
 FACULTY OF ENGINEERING
 SULTAN AGUNG ISLAMIC UNIVERSITY
 SEMARANG

Detail Engineering Design

**DESIGN OF UPPER
 STRUCTURE OF SUNDA
 STRAIT SUSPENSION BRIDGE**

Supervisor

Ir. Gatot Rusbintardjo, M.R.Eng.Sc., Ph.D

Co-Supervisor

Dr. Abdul Rochim, ST. MT

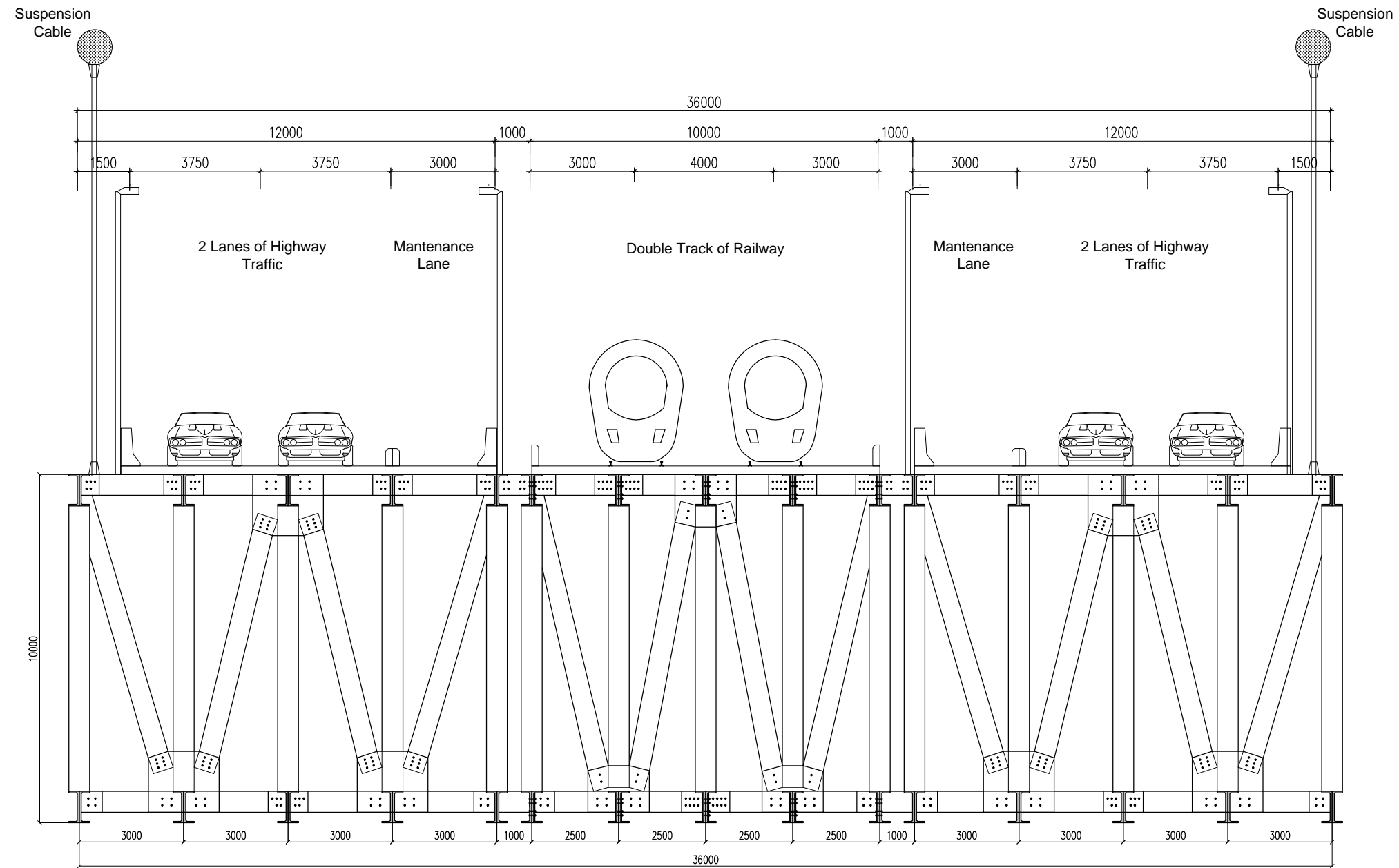
Drafted by:

Andi Kurniawan Arifin
 3.02.017.00197

Title of Drawing

Number of Drawing

Total Drawing



CROSS SECTION OF BRIDGE
 SCALE / 1 : 150



DEPARTMENT OF CIVIL ENGINEERING
FACULTY OF ENGINEERING
SULTAN AGUNG ISLAMIC UNIVERSITY
SEMARANG

Detail Engineering Design

DESIGN OF UPPER
STRUCTURE OF SUNDA
STRAIT SUSPENSION BRIDGE

Supervisor

Ir. Gatot Rusbintardjo, M.R.Eng.Sc., Ph.D

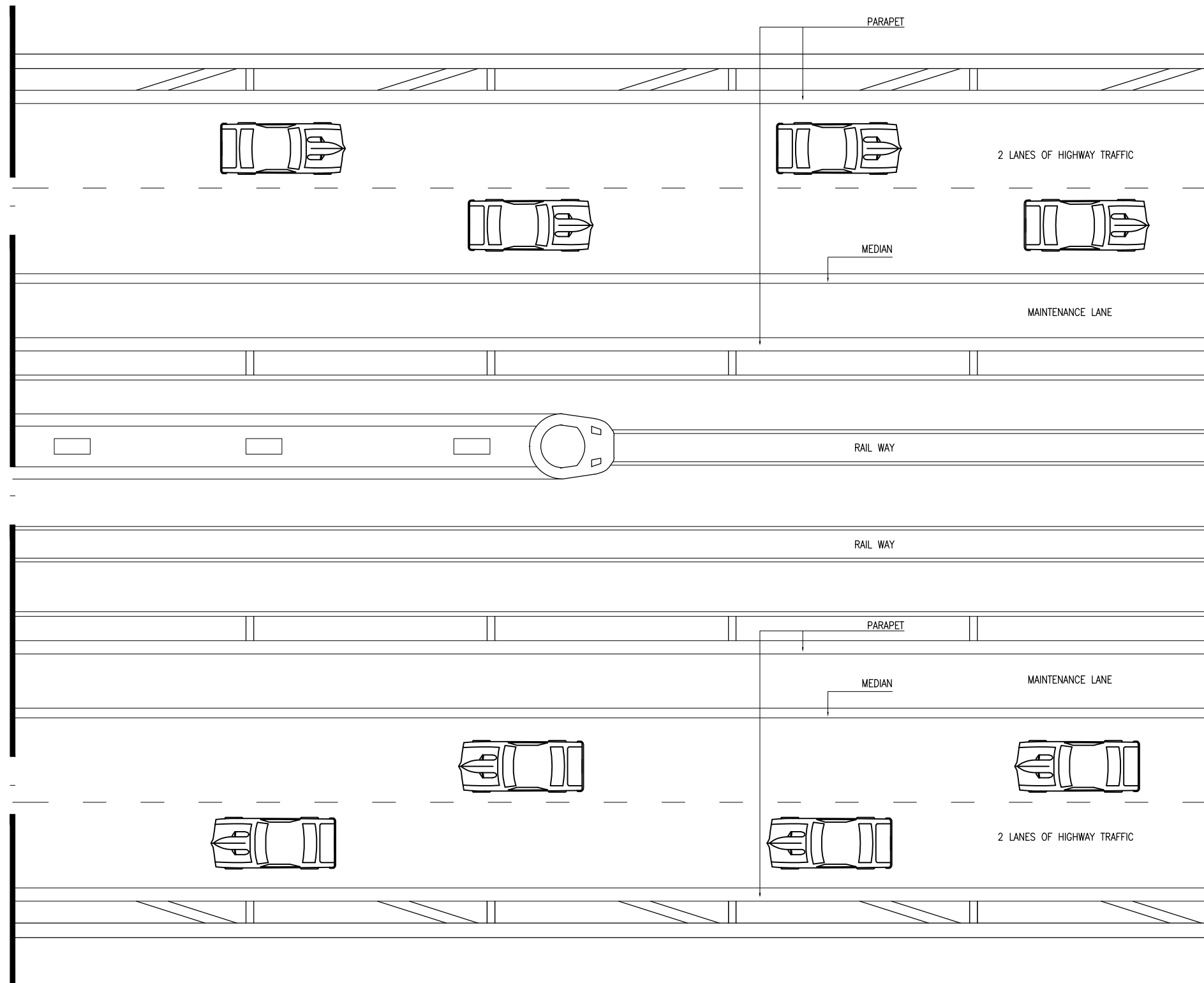
Co-Supervisor

Dr. Abdul Rochim, ST. MT

Drafted by:

Andi Kurniawan Arifin
3.02.017.00197

Title of Drawing



TOP VIEW OF BRIDGE
SCALE / 1 : 200

Number of Drawing	Total Drawing
01	12



DEPARTMENT OF CIVIL ENGINEERING
FACULTY OF ENGINEERING
SULTAN AGUNG ISLAMIC UNIVERSITY
SEMARANG

Detail Engineering Design

DESIGN OF UPPER
STRUCTURE OF SUNDA
STRAIT SUSPENSION BRIDGE

Supervisor

Ir. Gatot Rusbintardjo, M.R.Eng.Sc., Ph.D

Co-Supervisor

Dr. Abdul Rochim, ST. MT

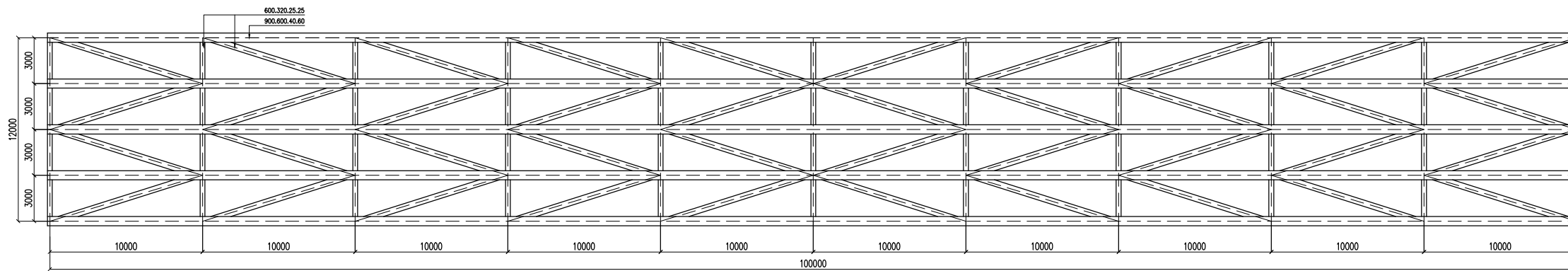
Drafted by:

Andi Kurniawan Arifin
3.02.017.00197

Title of Drawing

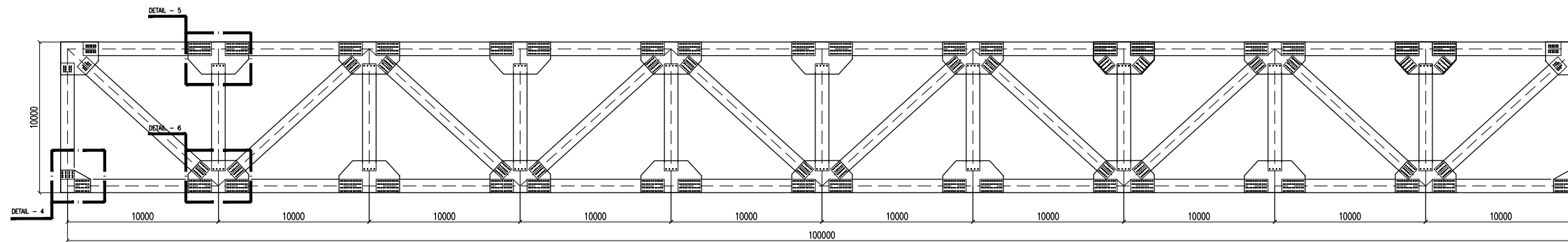
Number of Drawing

Total Drawing



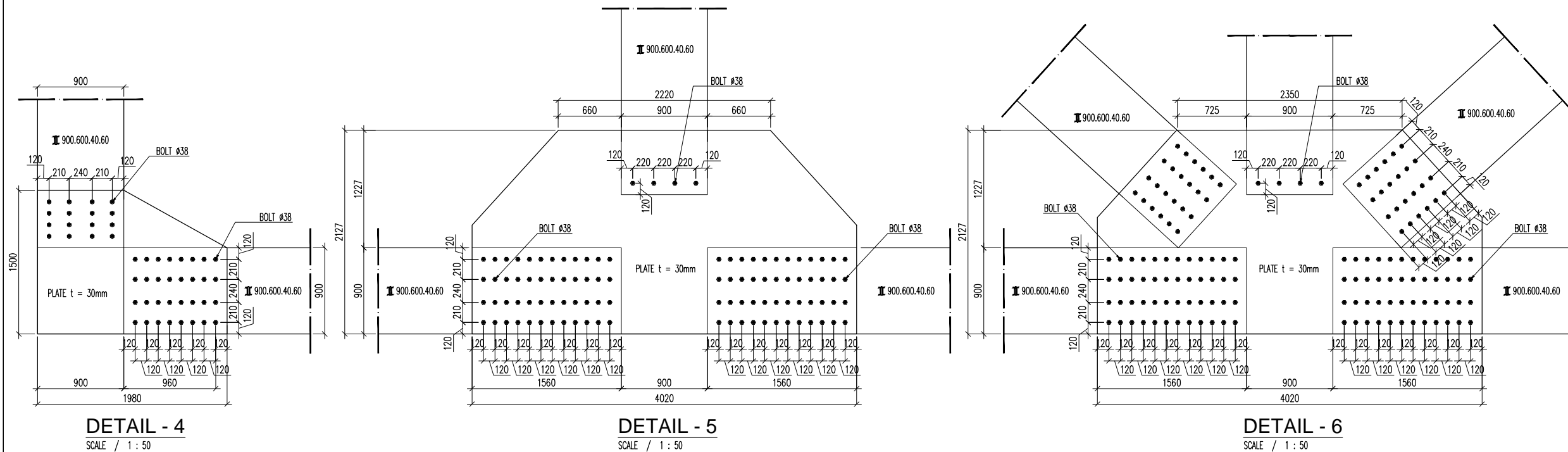
TOP VIEW OF TRUSS GIRDER

SCALE / 1 : 350



LONGITUDINAL TRUSS GIRDER

SCALE / 1 : 350



DETAIL - 4

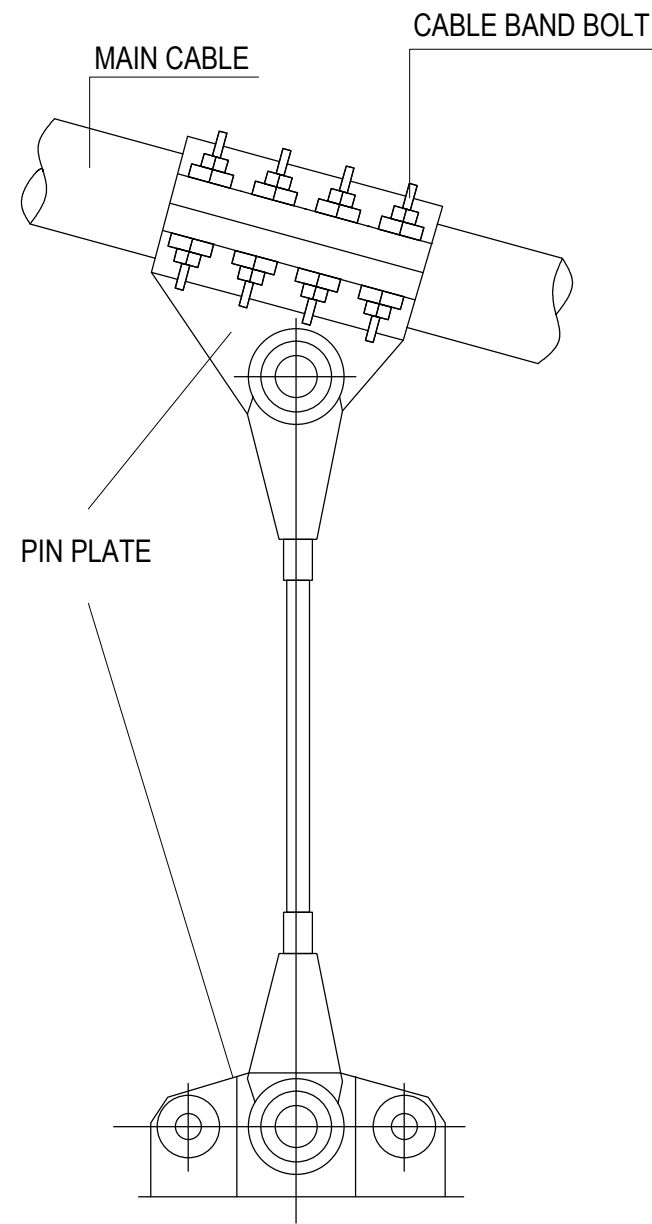
SCALE / 1 : 50

DETAIL - 5

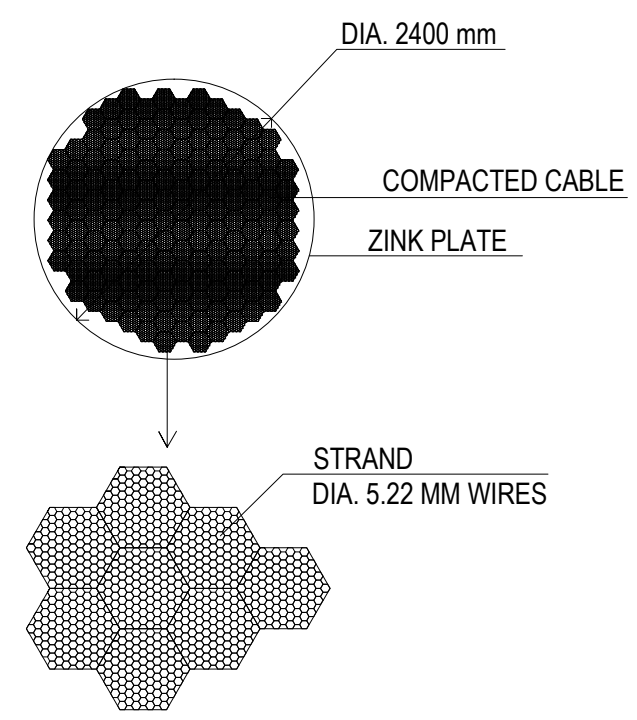
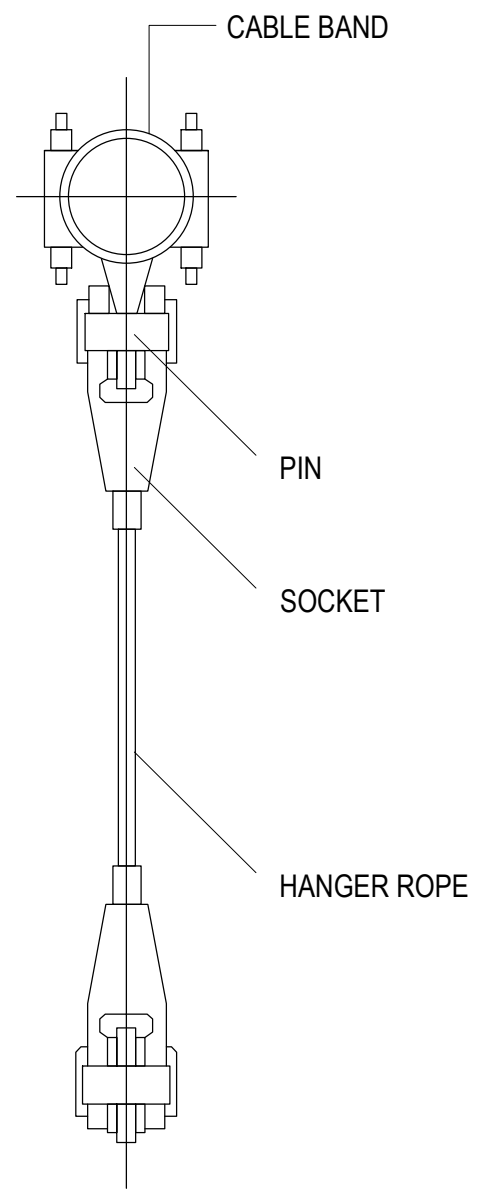
SCALE / 1 : 50

DETAIL - 6

SCALE / 1 : 50



JOINT OF MAIN CABLE AND HANGER CABLE



DETAIL OF MAIN CABLE



DEPARTMENT OF CIVIL ENGINEERING
FACULTY OF ENGINEERING
SULTAN AGUNG ISLAMIC UNIVERSITY
SEMARANG

Detail Engineering Design

**DESIGN OF UPPER
STRUCTURE OF SUNDA
STRAIT SUSPENSION BRIDGE**

Supervisor

Ir. Gatot Rusbintardjo, M.R.Eng.Sc., Ph.D

Co-Supervisor

Dr. Abdul Rochim, ST. MT

Drafted by:

Andi Kurniawan Arifin
3.02.017.00197

Title of Drawing

Number of Drawing	Total Drawing



DEPARTMENT OF CIVIL ENGINEERING
 FACULTY OF ENGINEERING
 SULTAN AGUNG ISLAMIC UNIVERSITY
 SEMARANG

Detail Engineering Design

**DESIGN OF UPPER
 STRUCTURE OF SUNDA
 STRAIT SUSPENSION BRIDGE**

Supervisor

Ir. Gatot Rusbintardjo, M.R.Eng.Sc., Ph.D

Co-Supervisor

Dr. Abdul Rochim, ST. MT

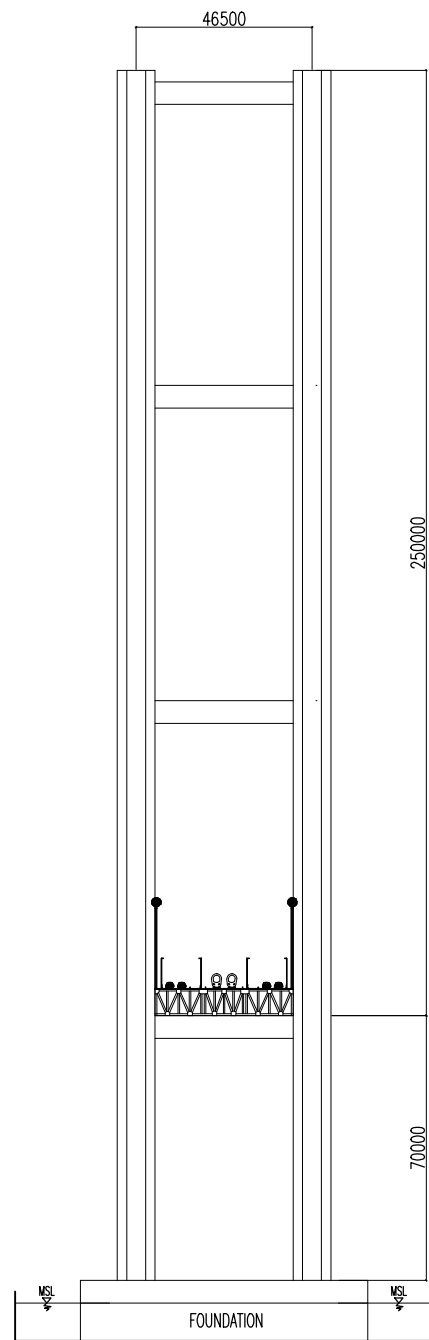
Drafted by:

Andi Kurniawan Arifin
 3.02.017.00197

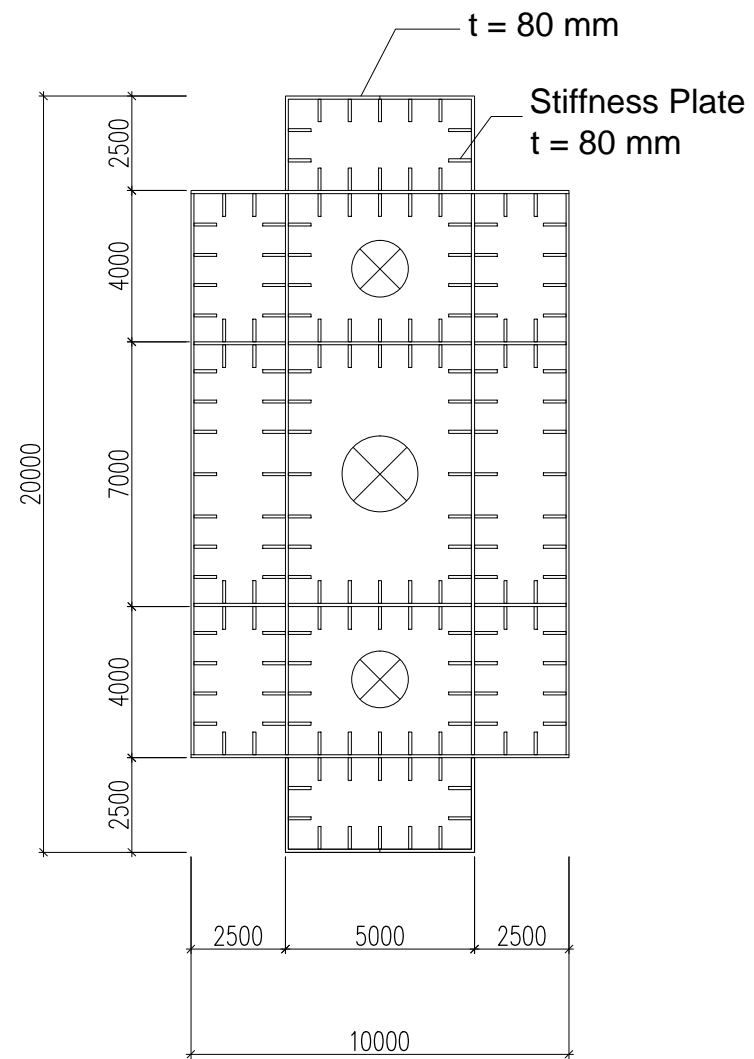
Title of Drawing

Number of Drawing

Total Drawing



DIMENSION OF PYLON



Cross Section of Pylon Profile

SCALE / 1 : 200



DEPARTMENT OF CIVIL ENGINEERING
 FACULTY OF ENGINEERING
 SULTAN AGUNG ISLAMIC UNIVERSITY
 SEMARANG

Detail Engineering Design

**DESIGN OF UPPER
 STRUCTURE OF SUNDA
 STRAIT SUSPENSION BRIDGE**

Supervisor

Ir. Gatot Rusbintardjo, M.R.Eng.Sc., Ph.D

Co-Supervisor

Dr. Abdul Rochim, ST. MT

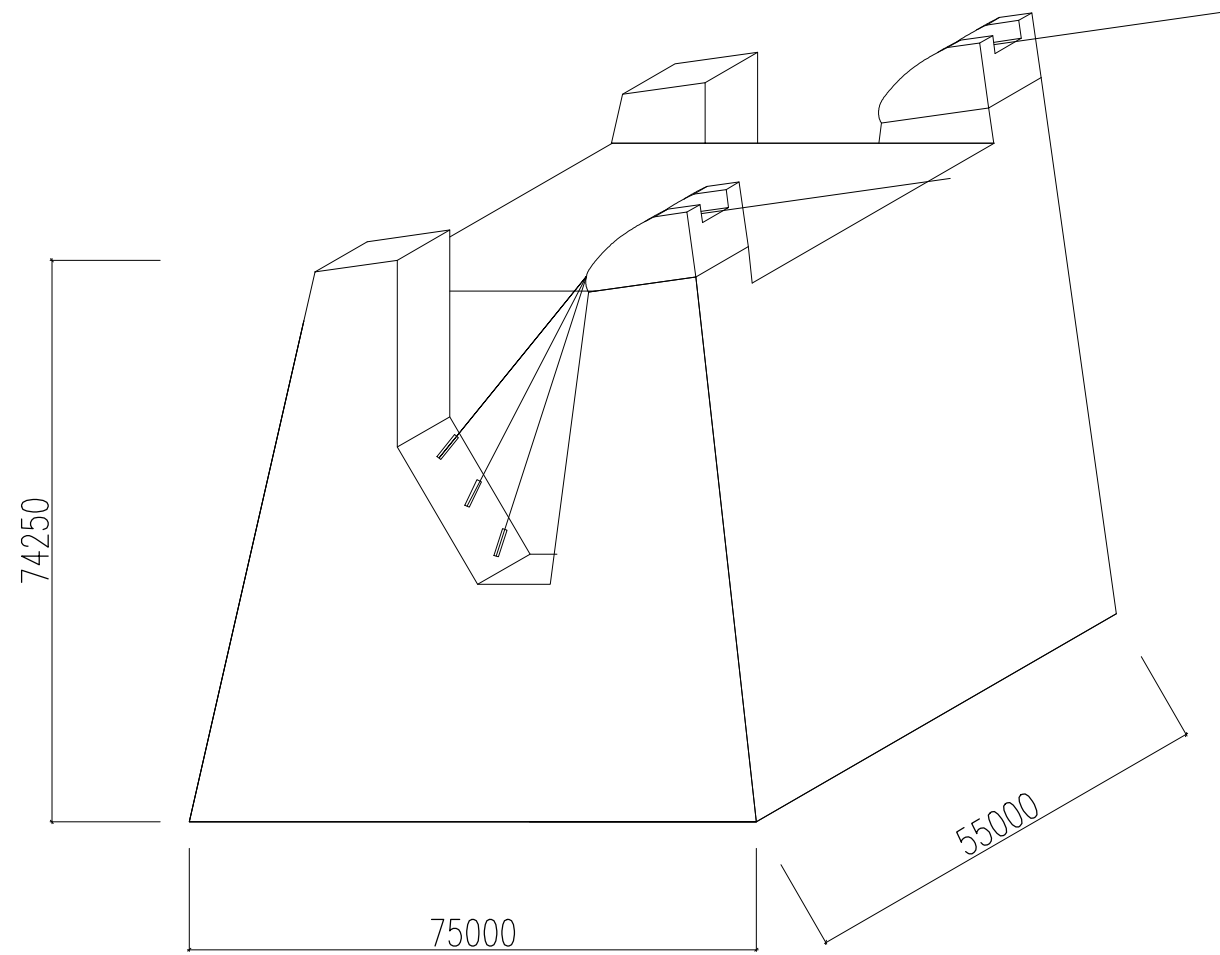
Drafted by:

Andi Kurniawan Arifin
 3.02.017.00197

Title of Drawing

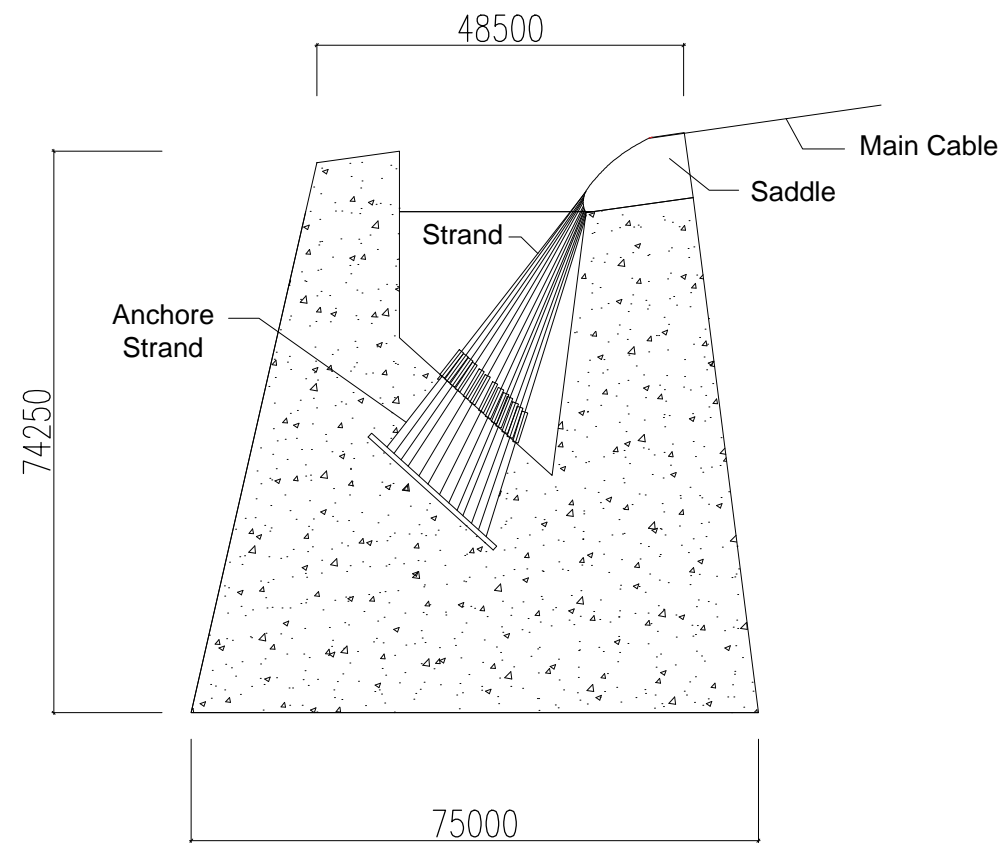
Number of Drawing

Total Drawing



ISOMETRIC VIEW OF ANCHOR BLOCK

SCALE / 1 : 1000



DETAIL ANCHOR BLOCK

SCALE / 1 : 200