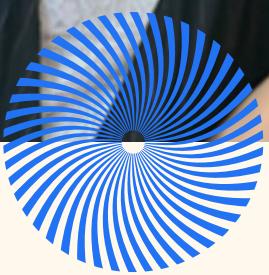
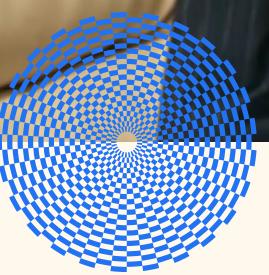


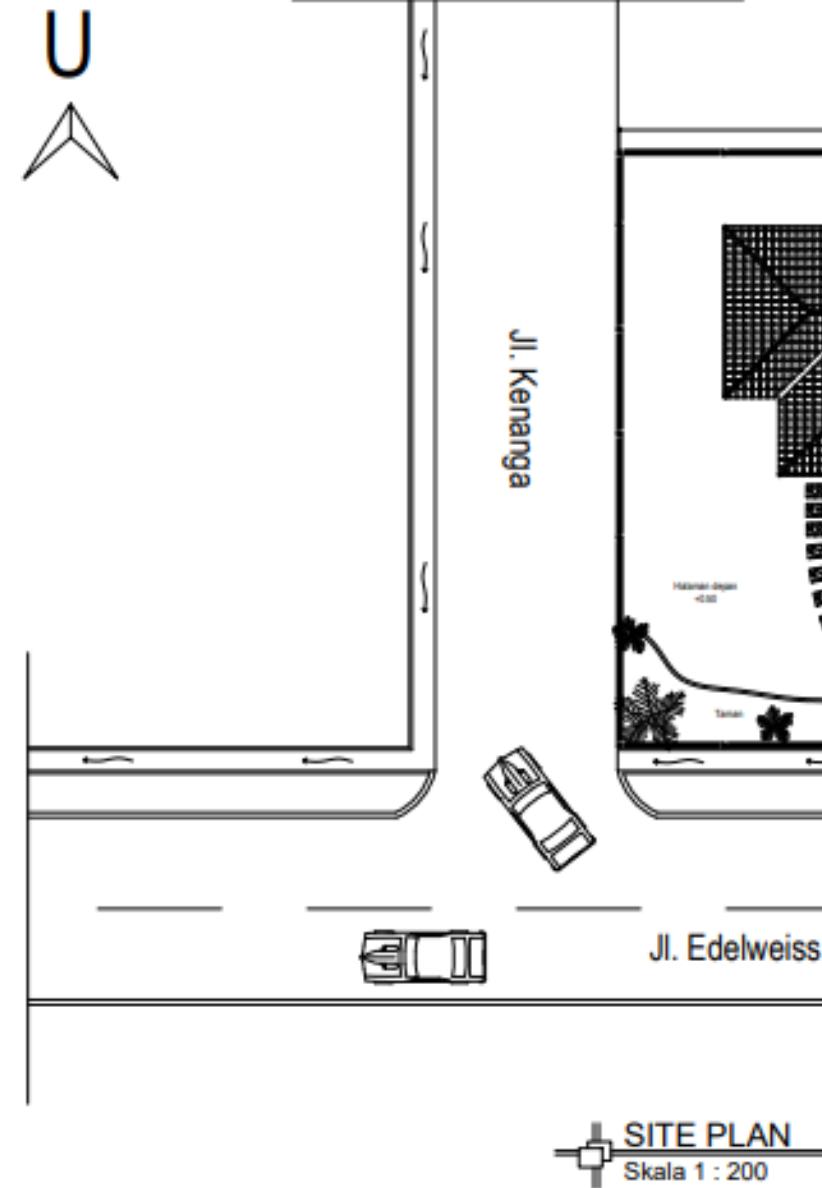
CIVIL ENGINEERING

Portofolio



REGITA TIARA ANJANI

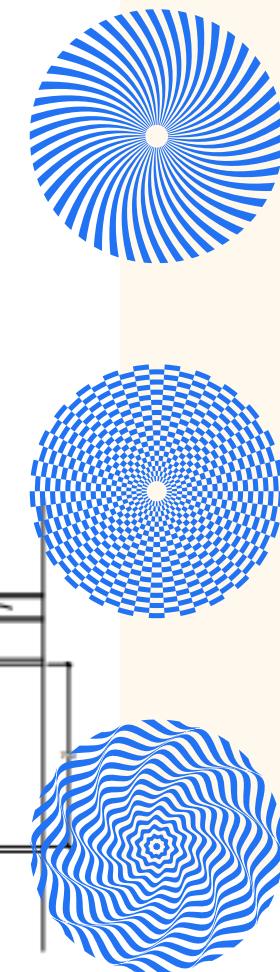
I am a fresh graduate in civil engineering with expertise in using AUTOCAD, SAP, ARCGIS 10.3, and I have several projects



About my Project

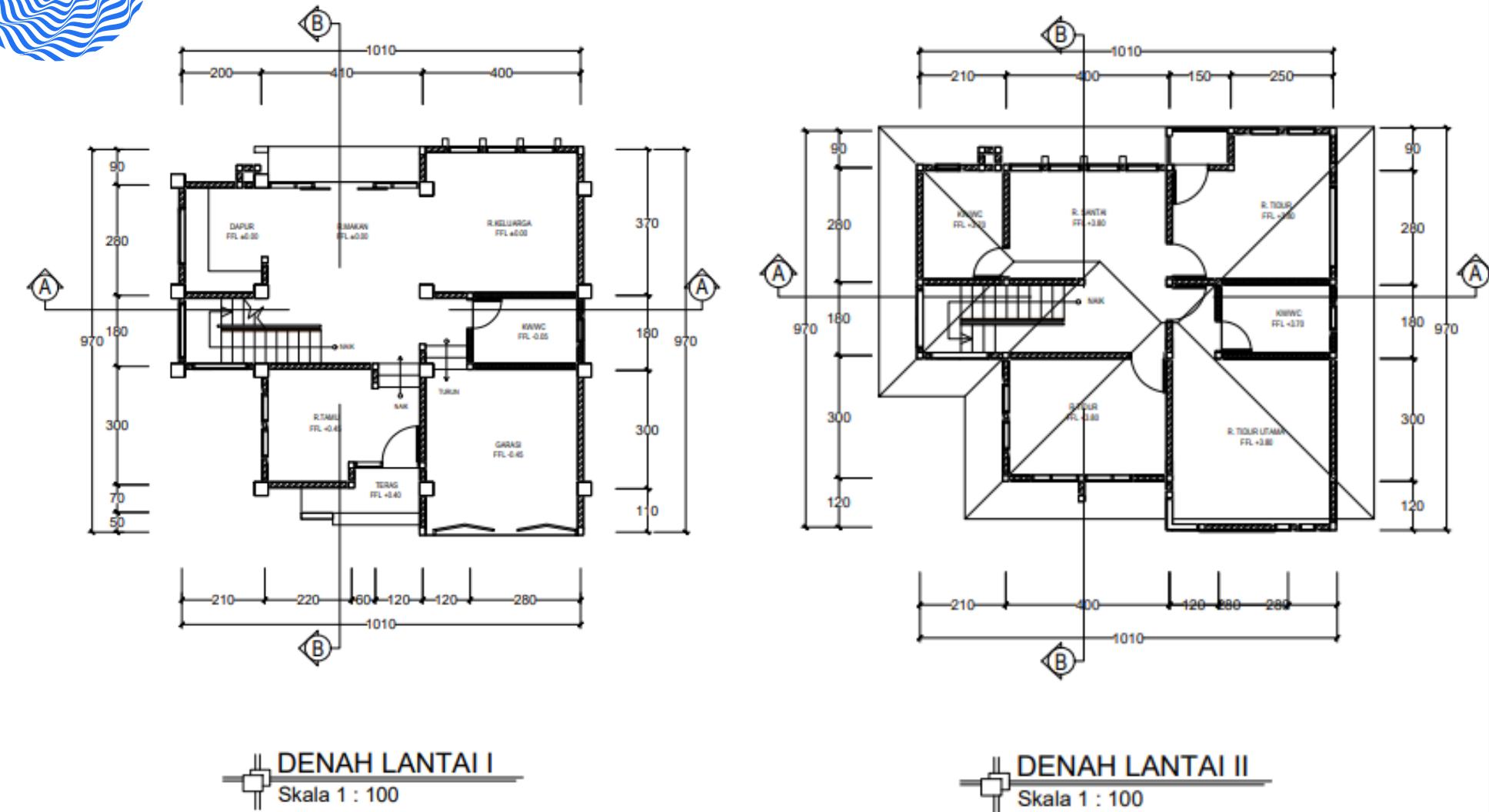
ENGINEERING DRAWING DESIGN

II Minimalist House



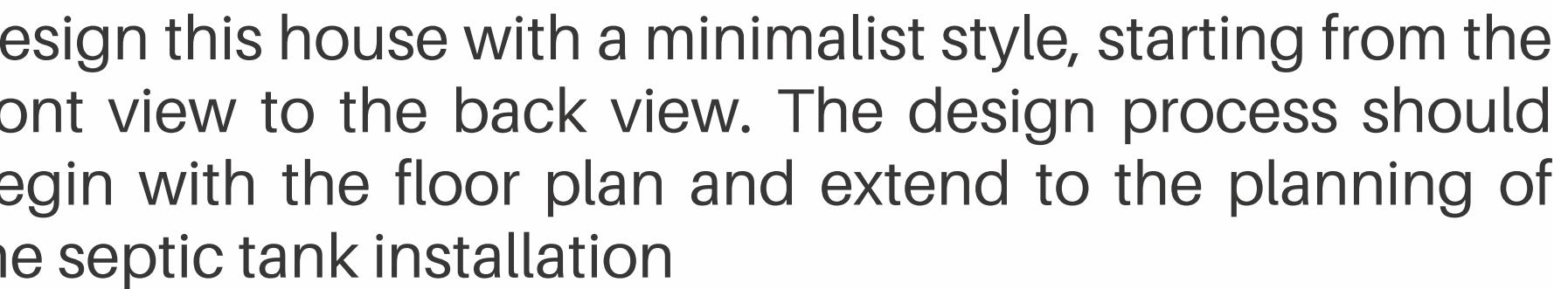
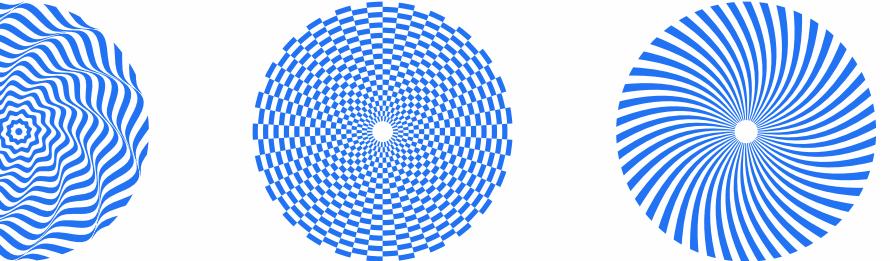
The AutoCAD 2017 application is used in designing engineering drawings. Drawings are made starting from the floor plan by designing a minimalist two-story house.

This house design uses a roof combined with pyramid and gable roofs

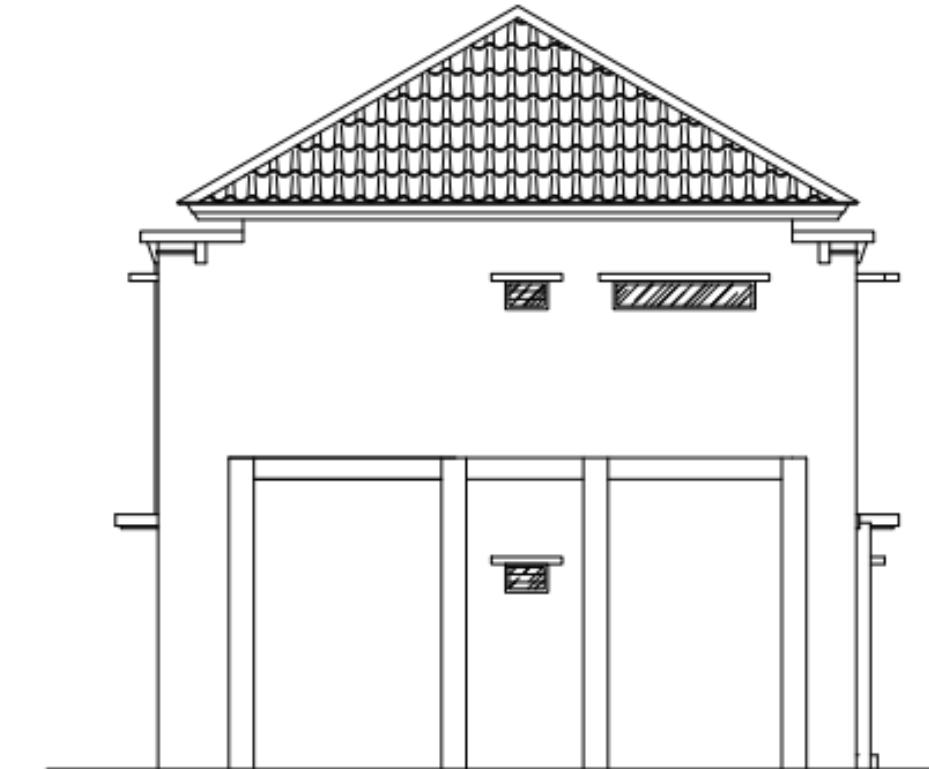




TAMPAK DEPAN
Skala 1 : 100



TAMPAK BELAKANG



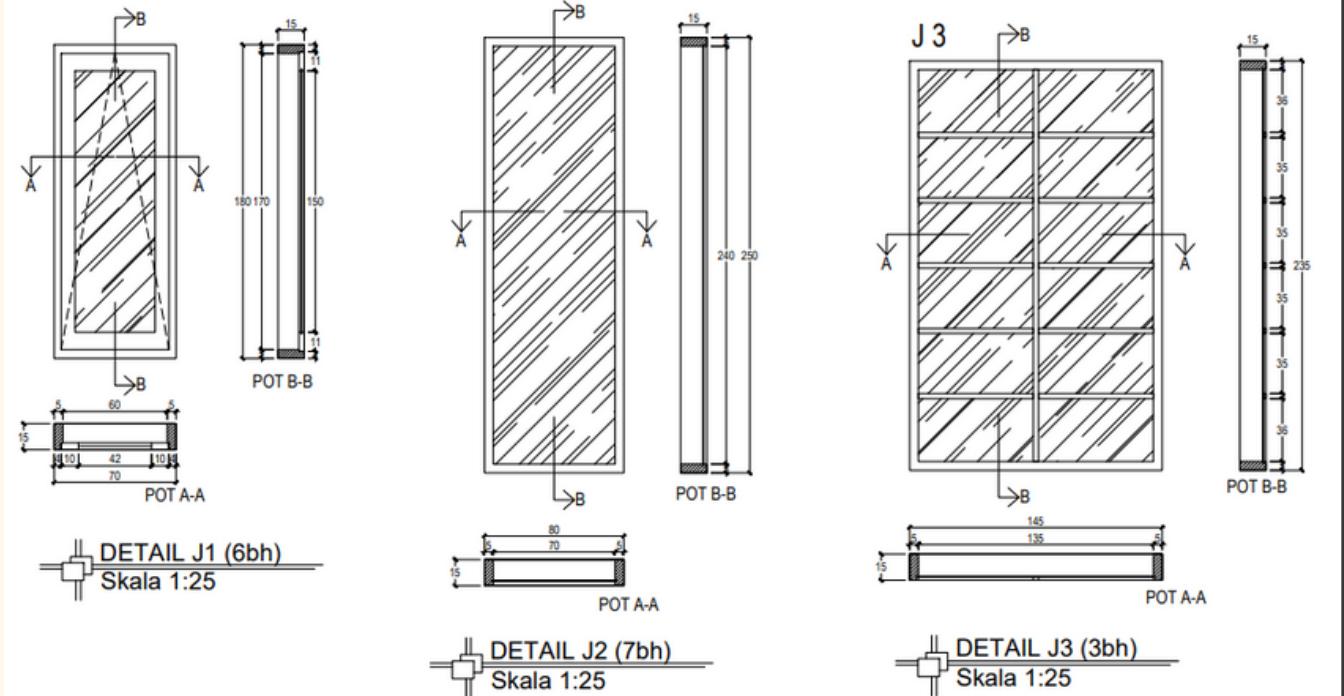
 TAMPAK SAMPING KANAN
Skala 1 : 100



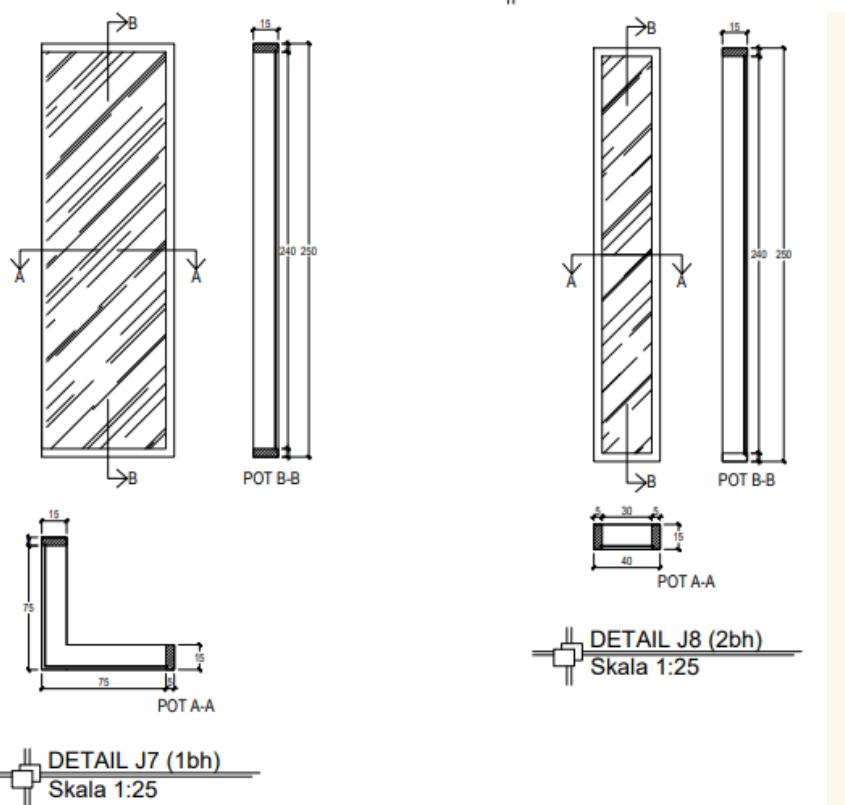
 **TAMPAK SAMPING KIRI**

PROVIDE DETAILS FOR THE DOOR AND WINDOW FRAMES

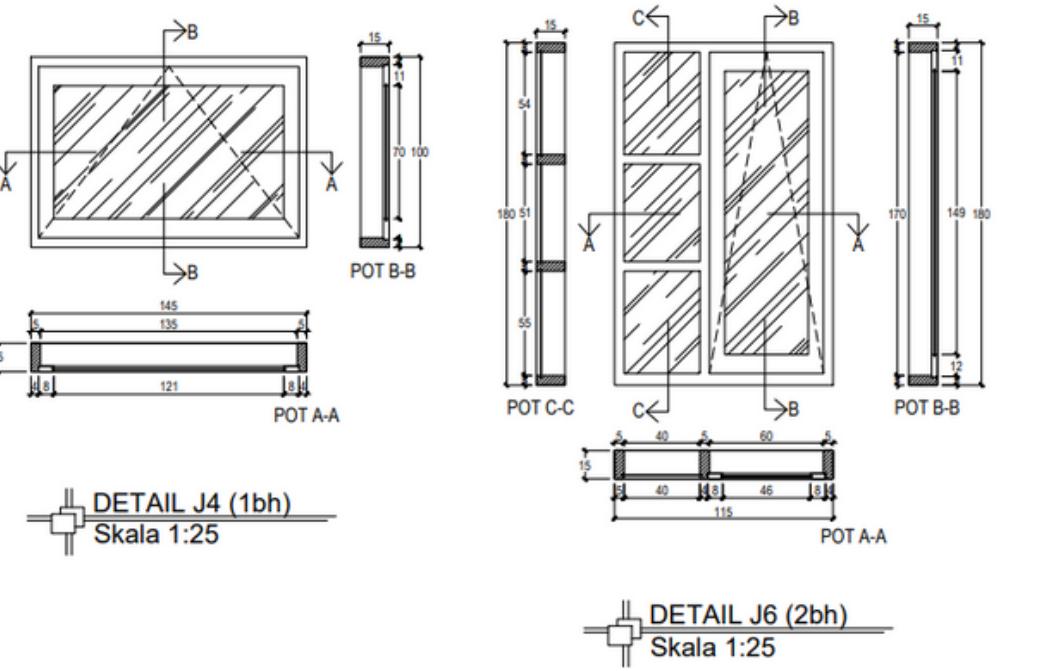
01



02

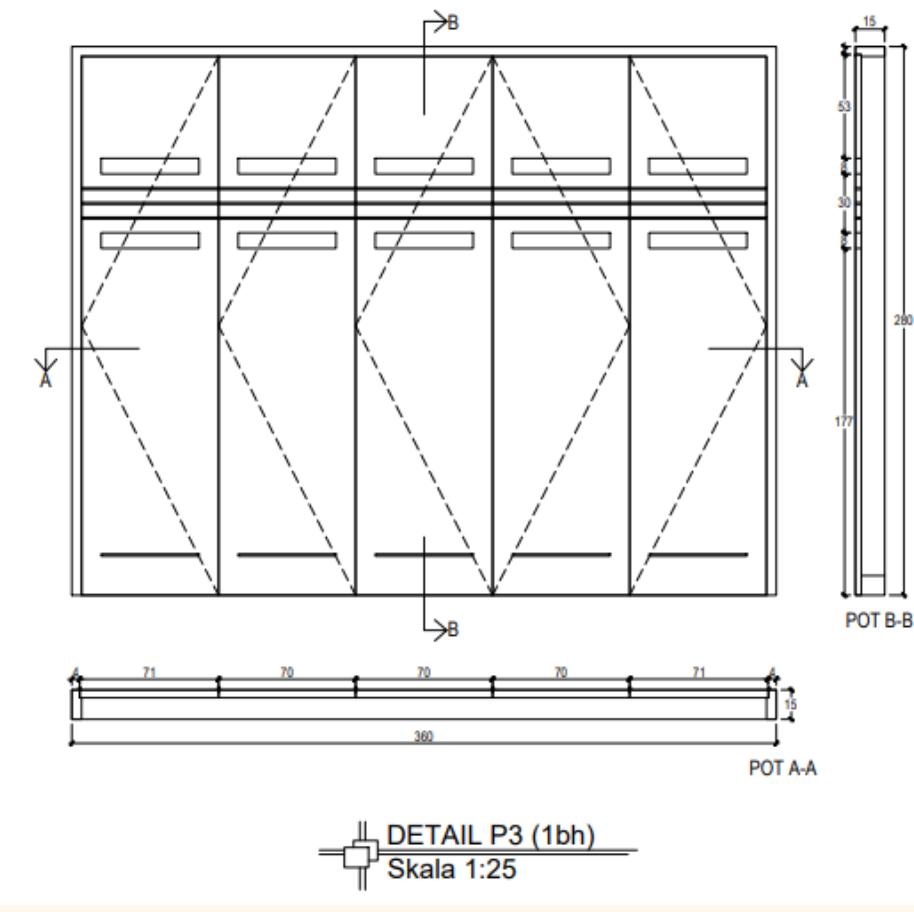
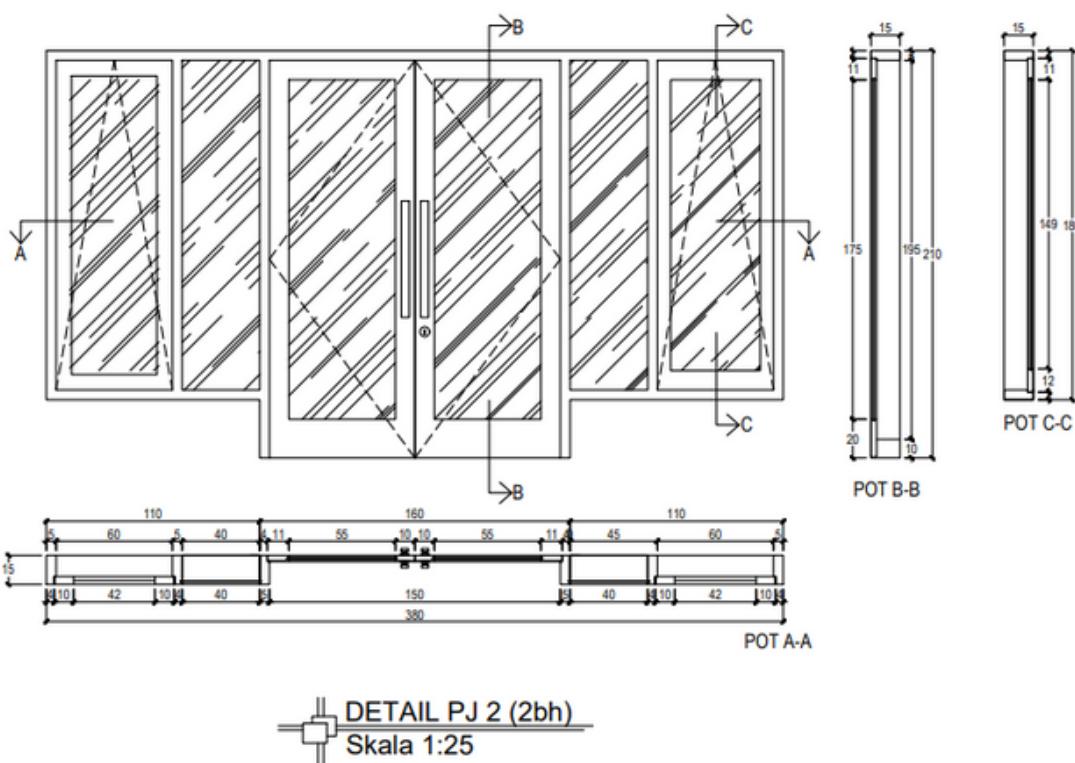


Window detail at a scale of 1:25

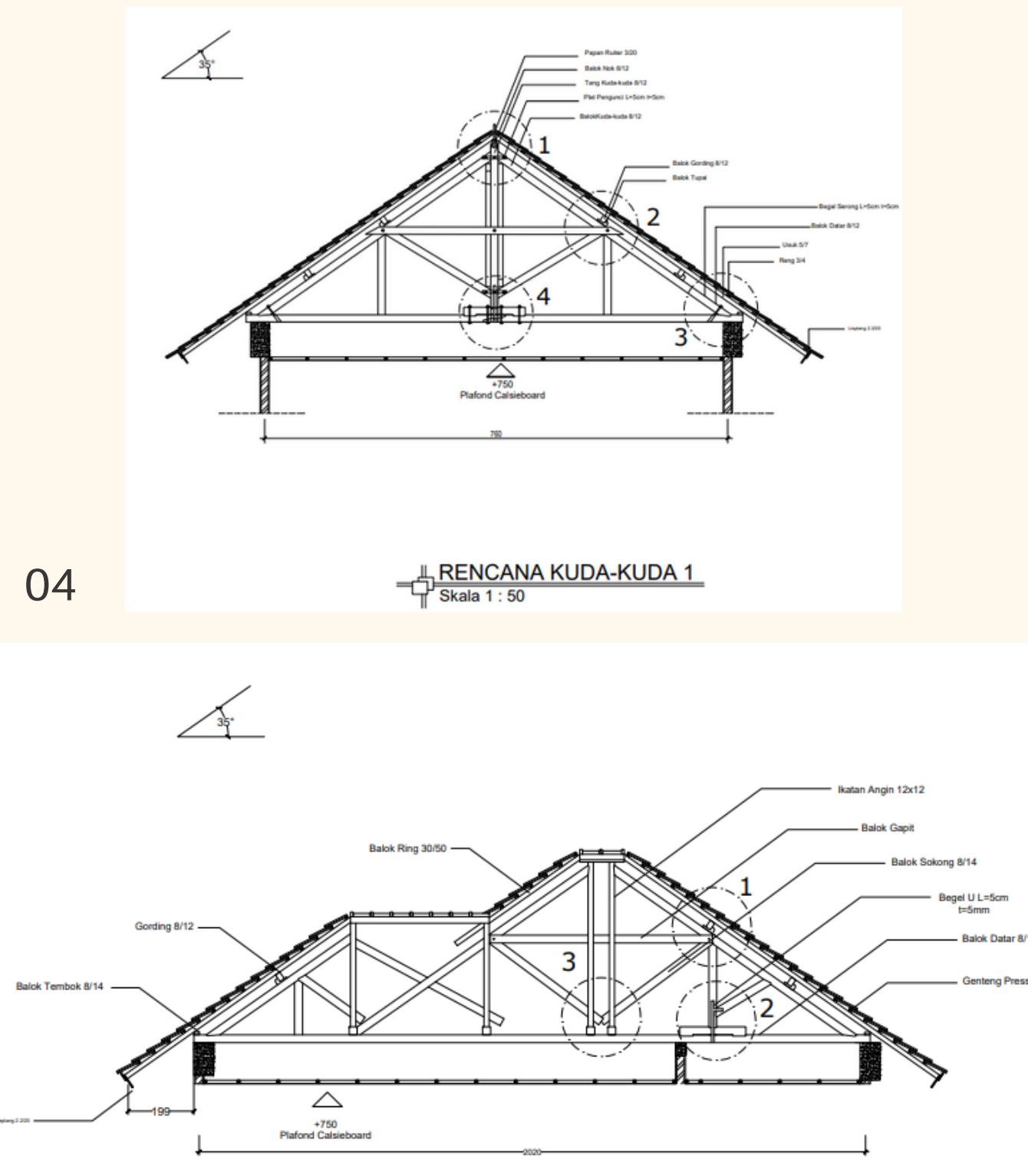


Door and window details at a scale of 1:25

03

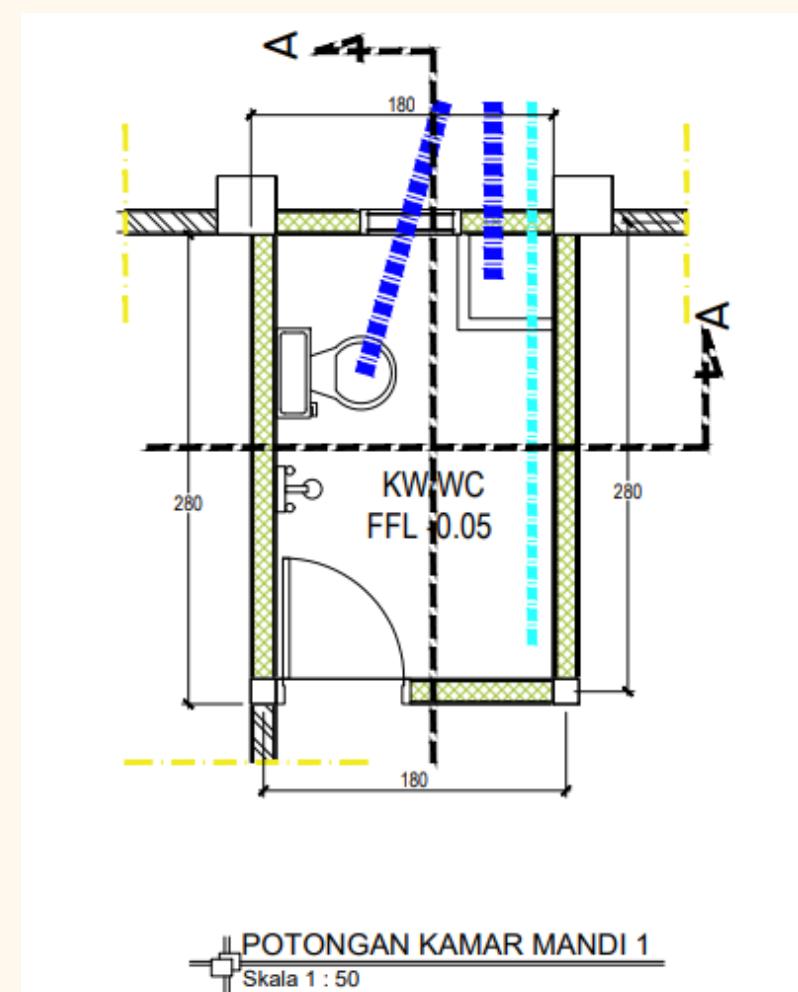


ROOF TRUSS PLAN

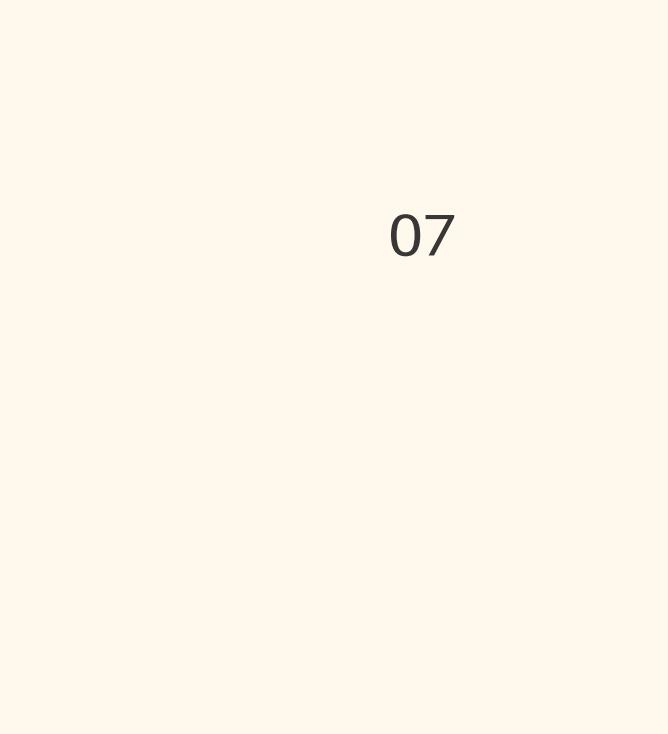


05

This house design uses a combination of gable and hip roofs



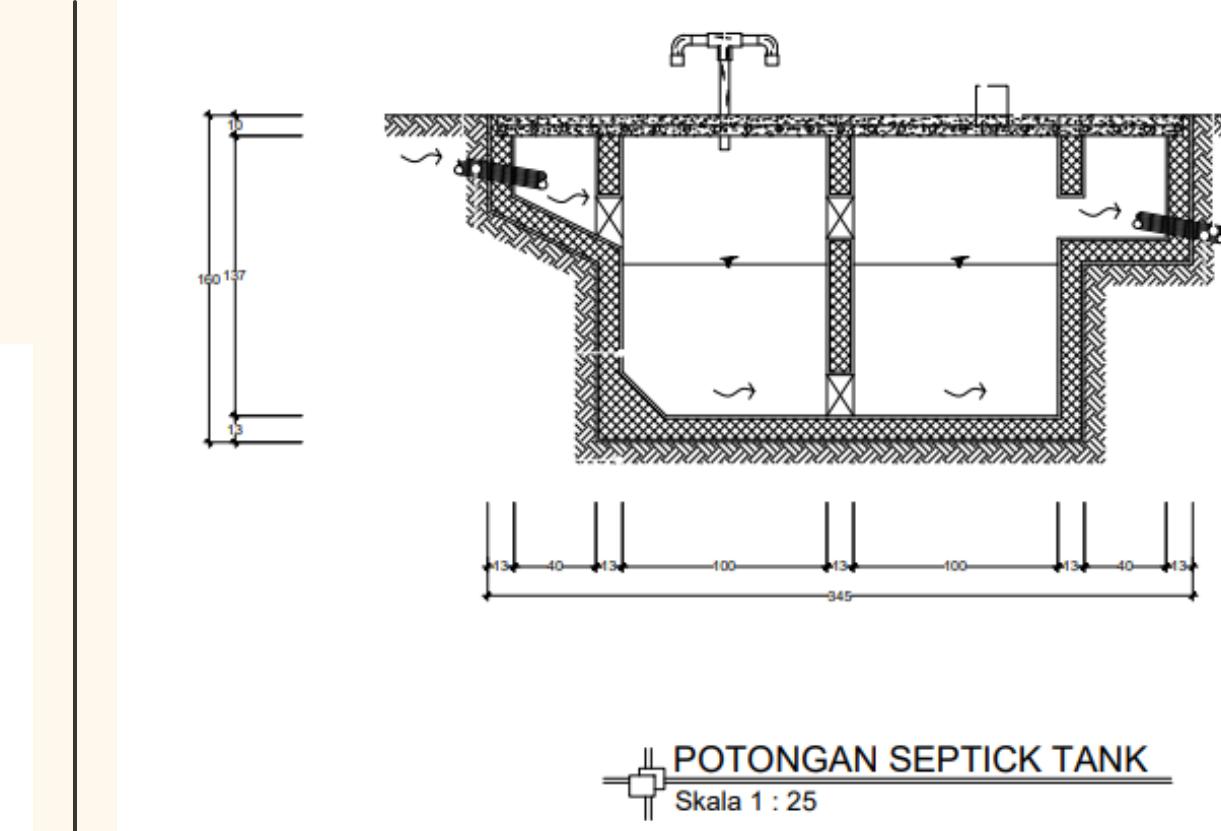
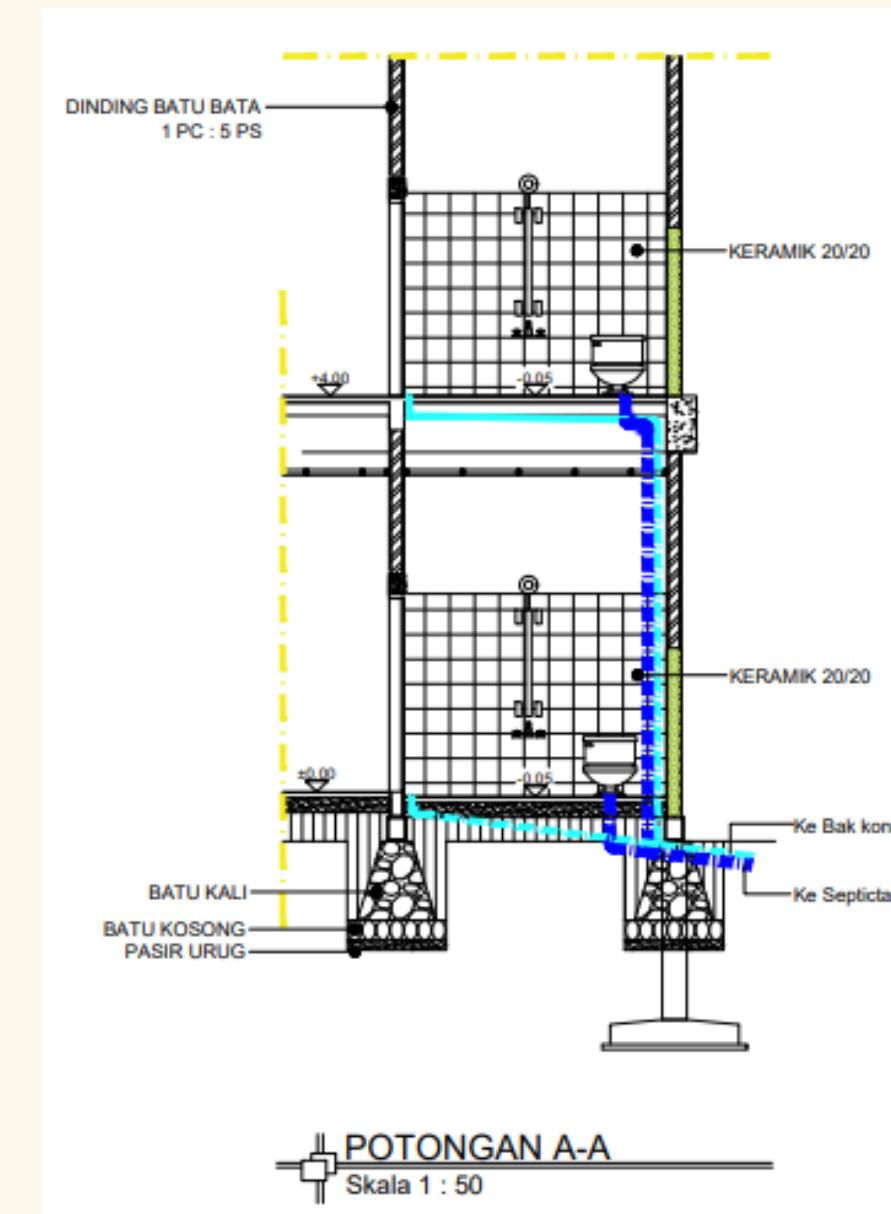
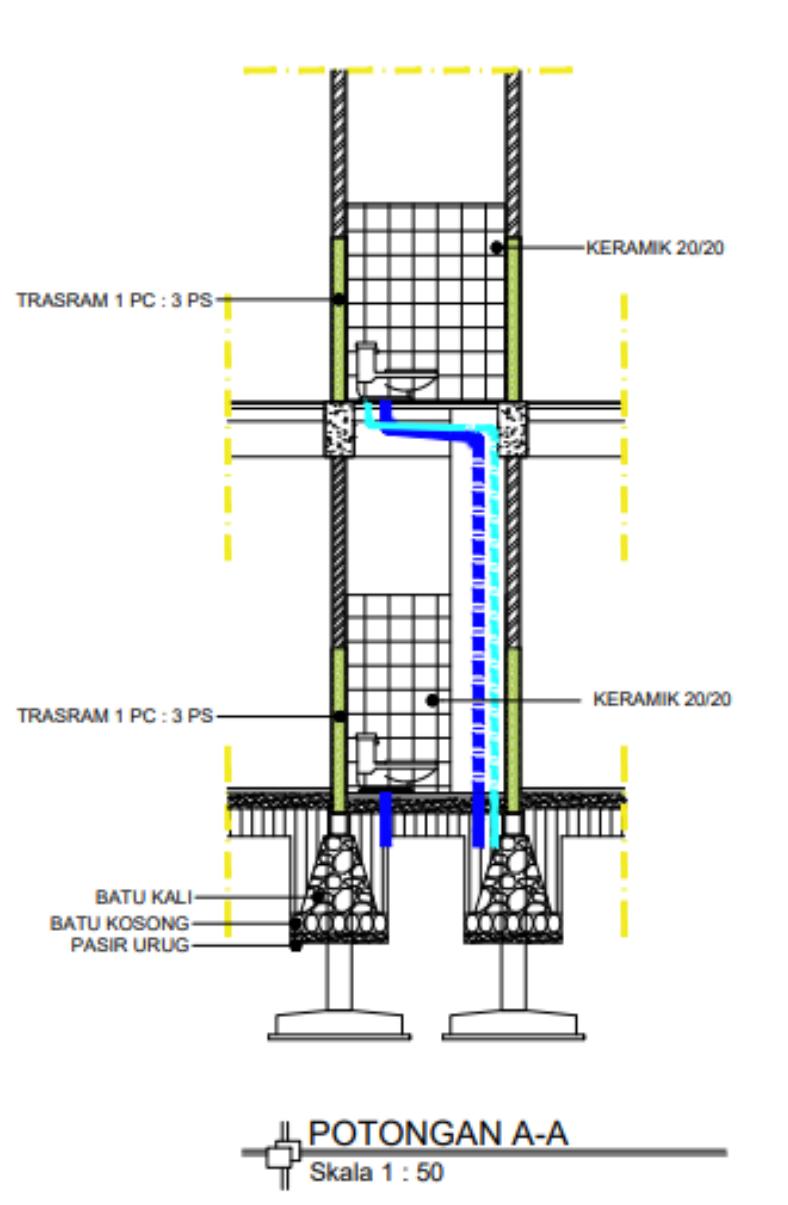
06



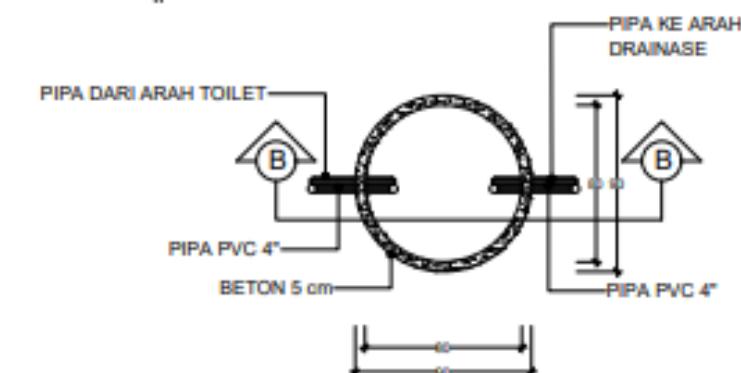
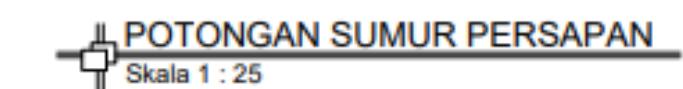
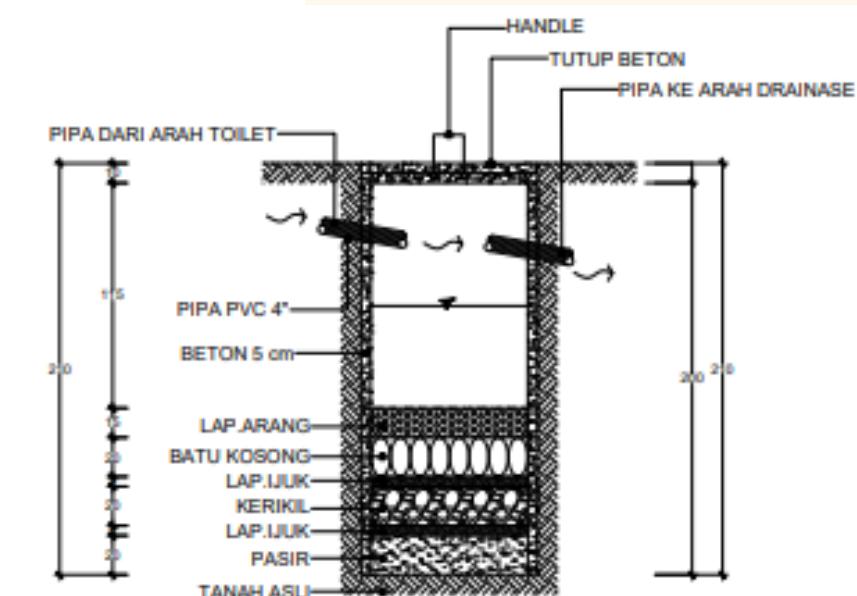
07

BATHROOM SECTION

BATHROOM SECTION



DETAIL SEPTICTANK



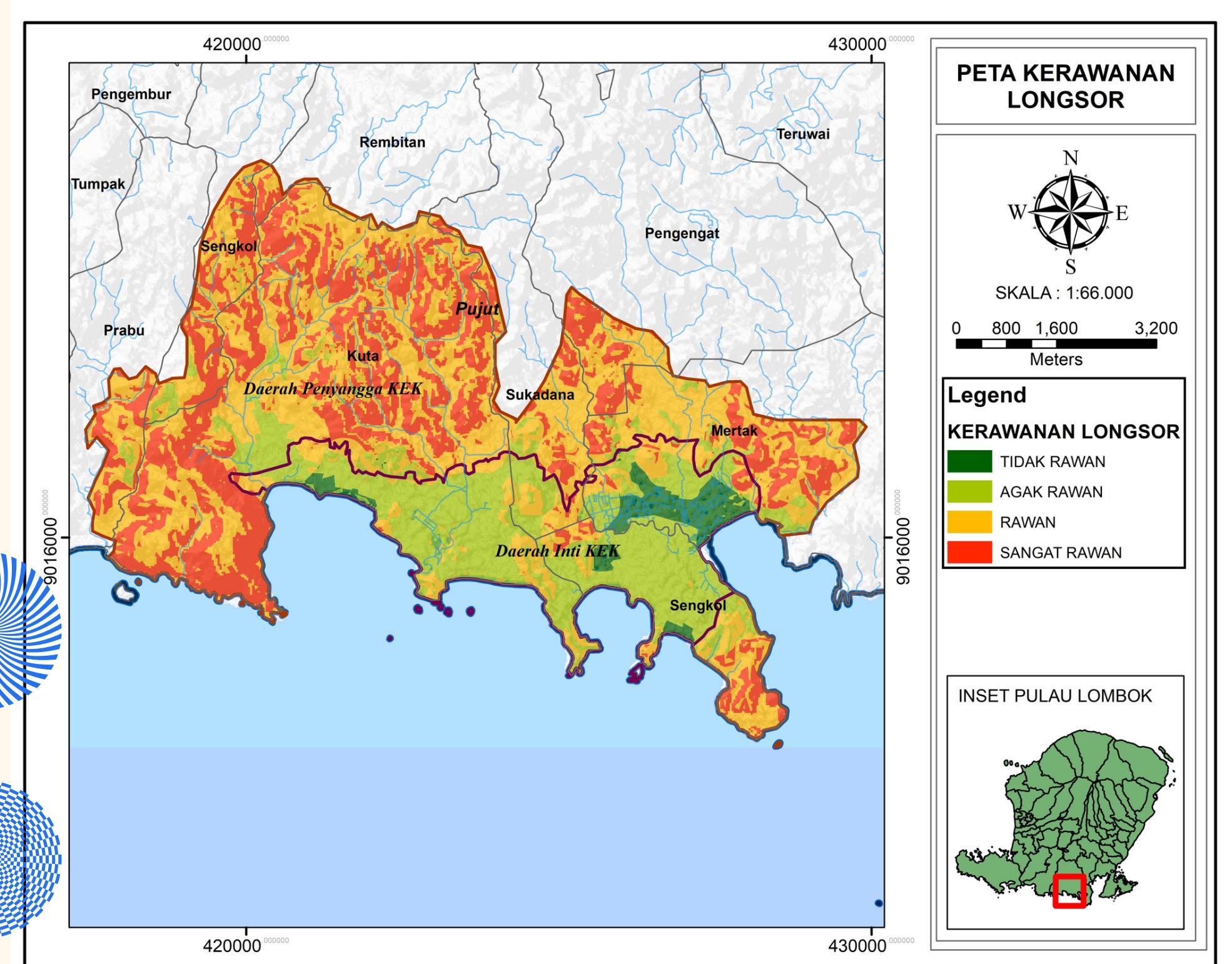
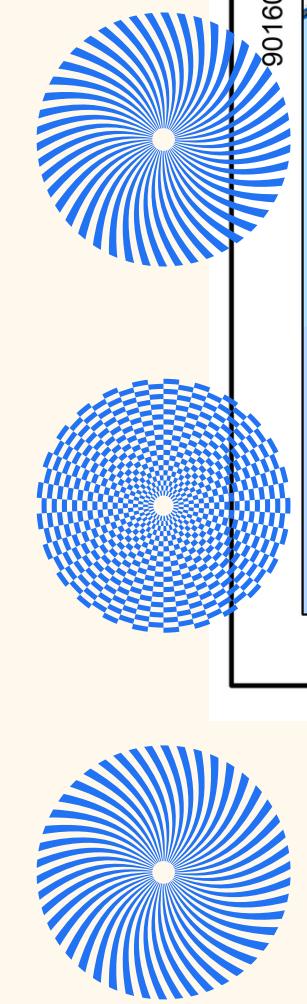
 SUMUR PERSAPAN
Skala 1 : 25

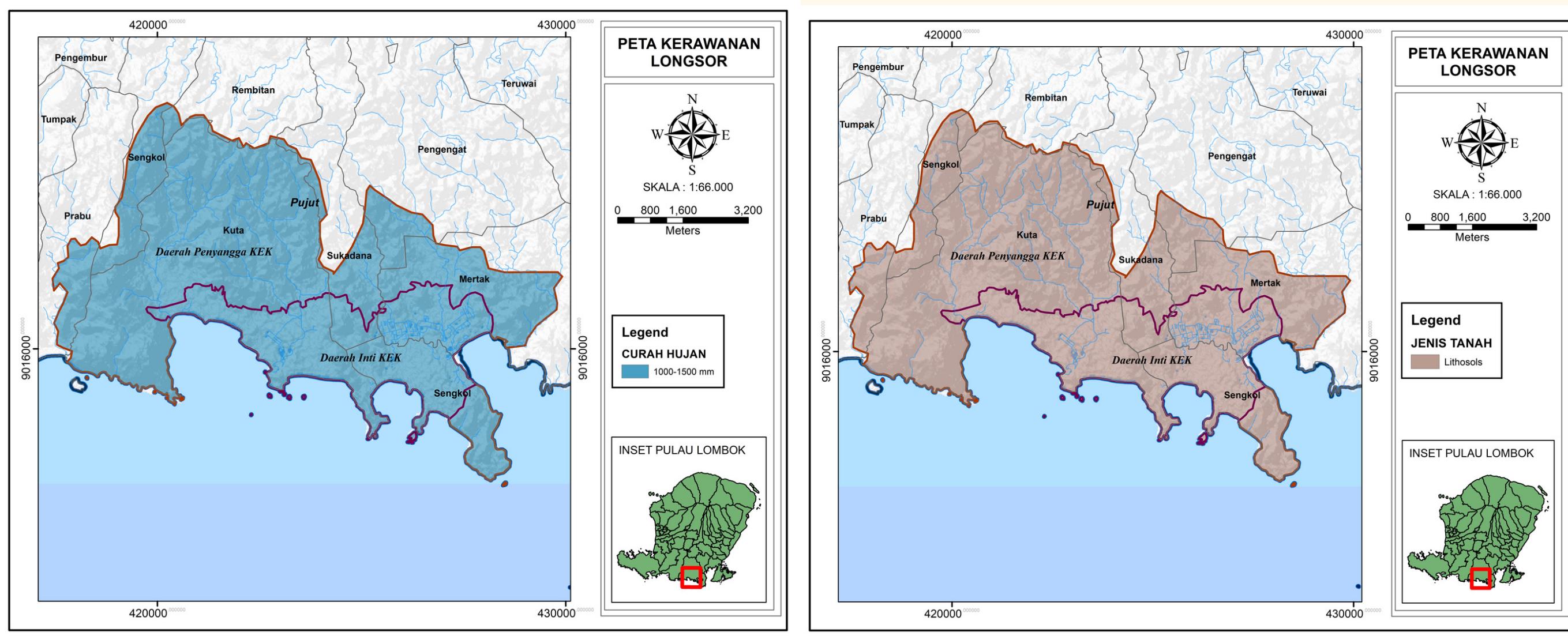
II Project

GIS-BASED LANDSLIDE PRONE AREA ANALYSIS IN MANDALIKA (SEZ) AREA

West Nusa Tenggara Province

To determine the zoning map of landslides and analyze the distribution of landslide-prone areas in the Mandalika SEZ, research has been conducted using the Arc-GIS 10.3 Geographic Information System (GIS) Program. The method, as well as interpreting the data using geoelectric testing.



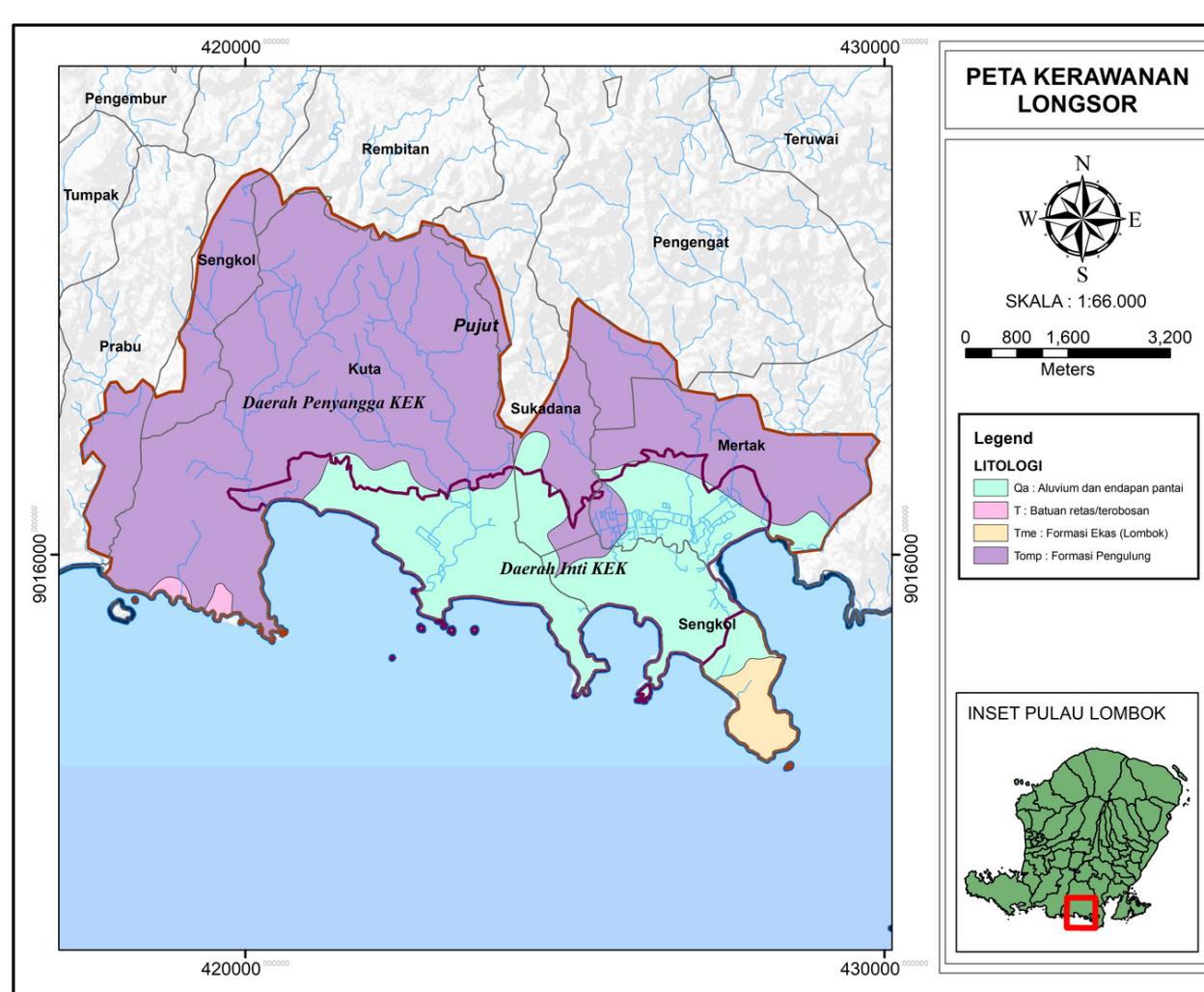


02

03

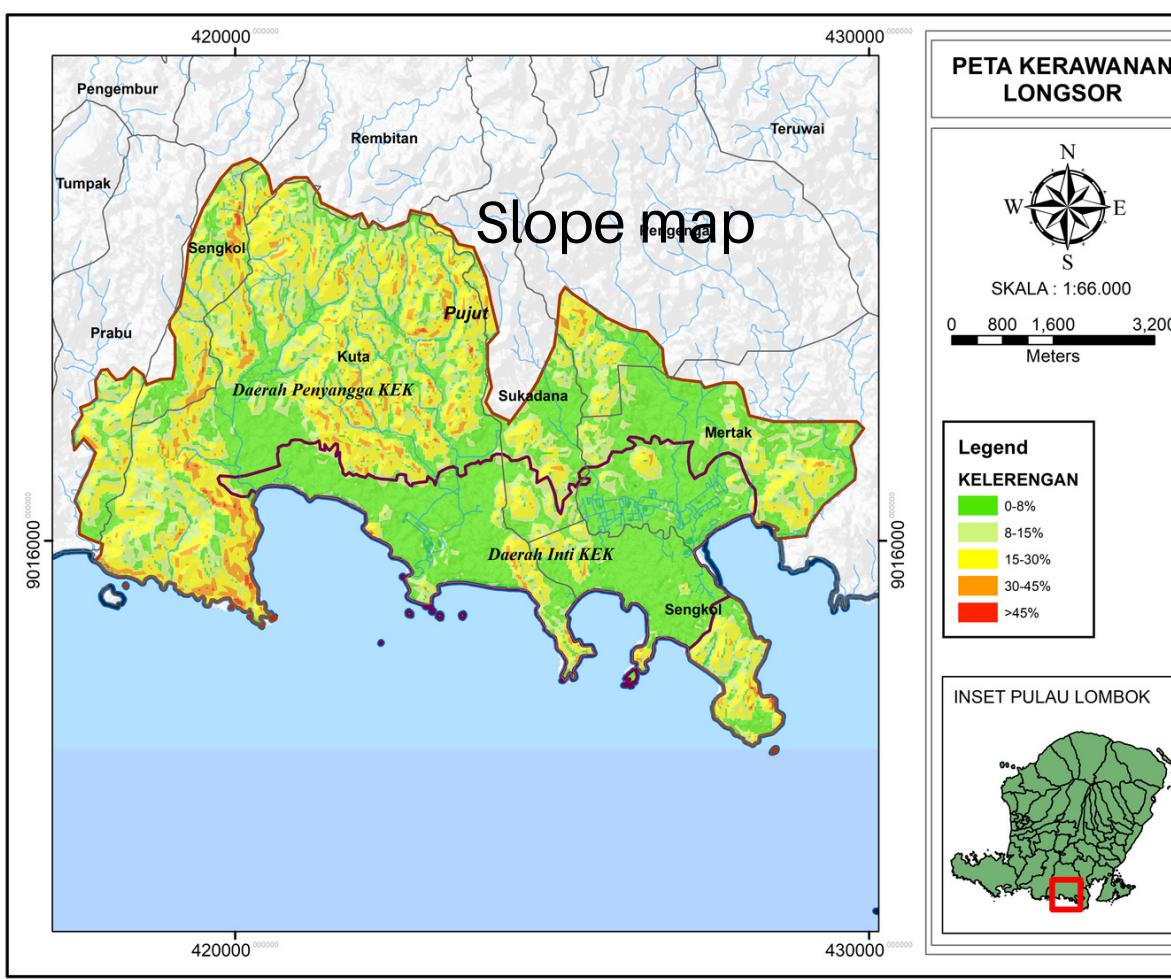
RAINFALL MAP AND SOIL TYPES

This analysis technique involves calculating scores for each factor that potentially causes landslides, such as slope, soil type, rainfall, land cover, and lithology. These scores will then be combined using overlay techniques to obtain a landslide vulnerability map in the Mandalika SEZ

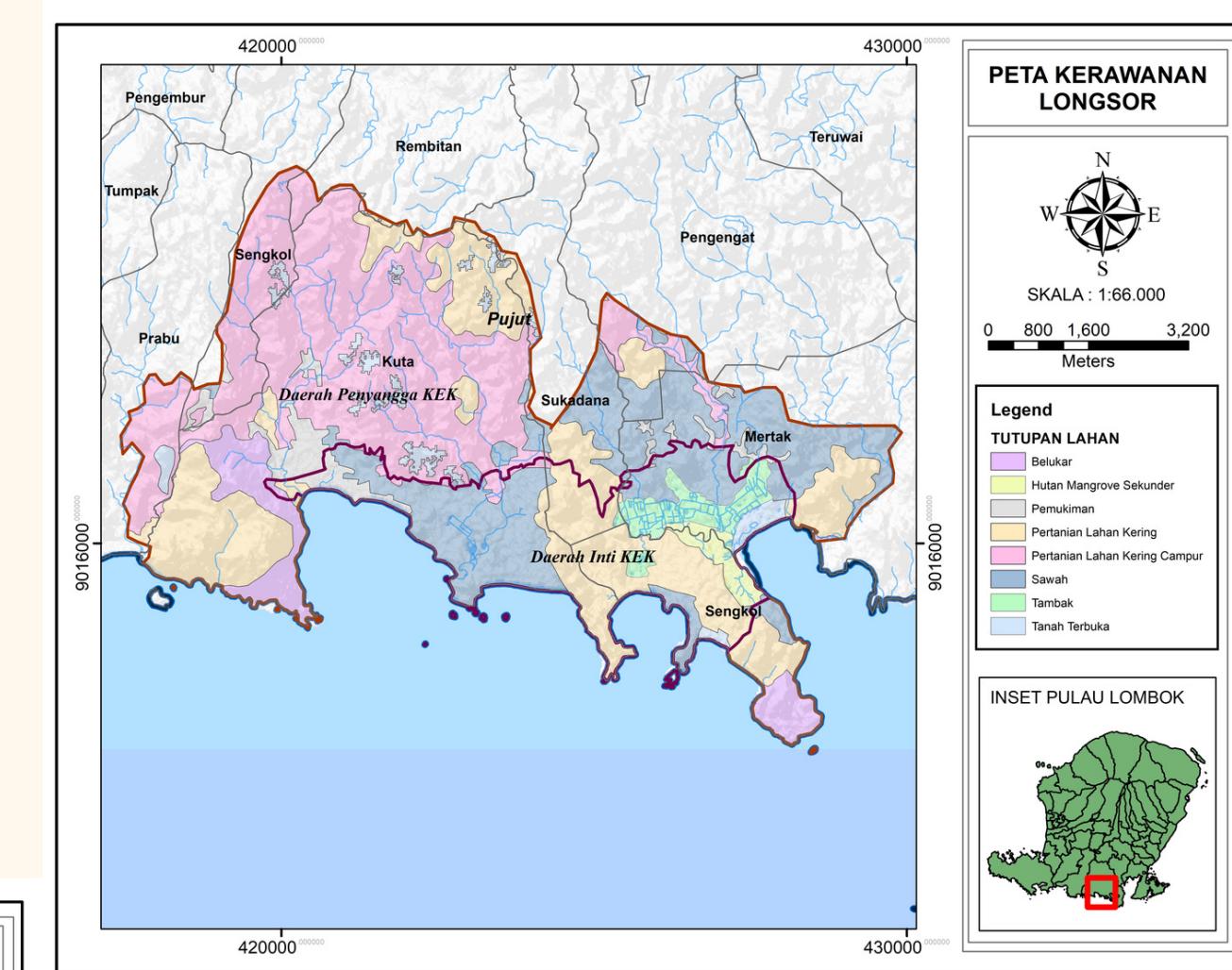


04 LITOLOGY MAP

05



SLOPE MAP

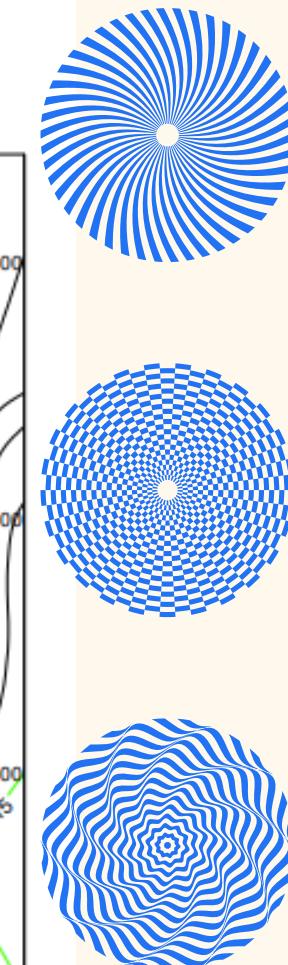
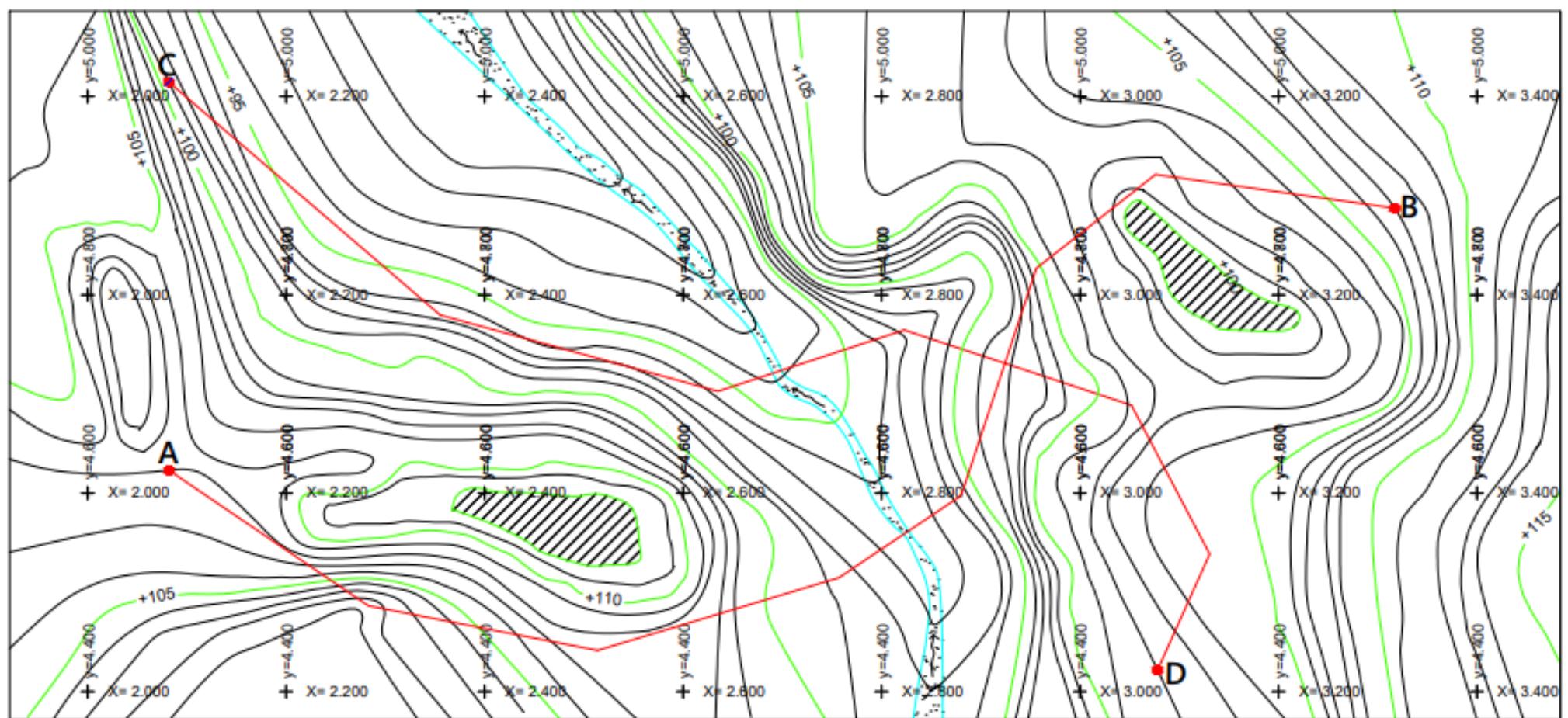


LAND COVER MAP

06

**PETA TOPOGRAFI
TRASE I**

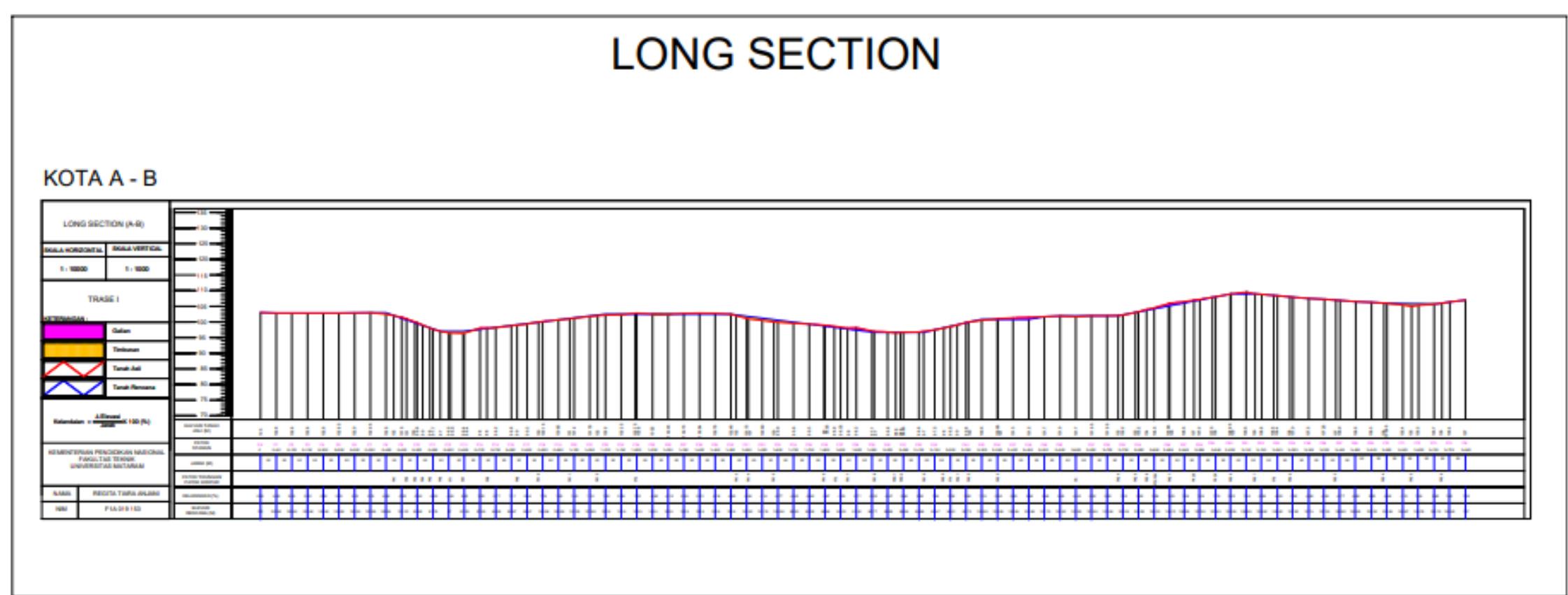
Skala 1 : 10000



Designing the Road Trace from the beginning to designing the road Cross Section

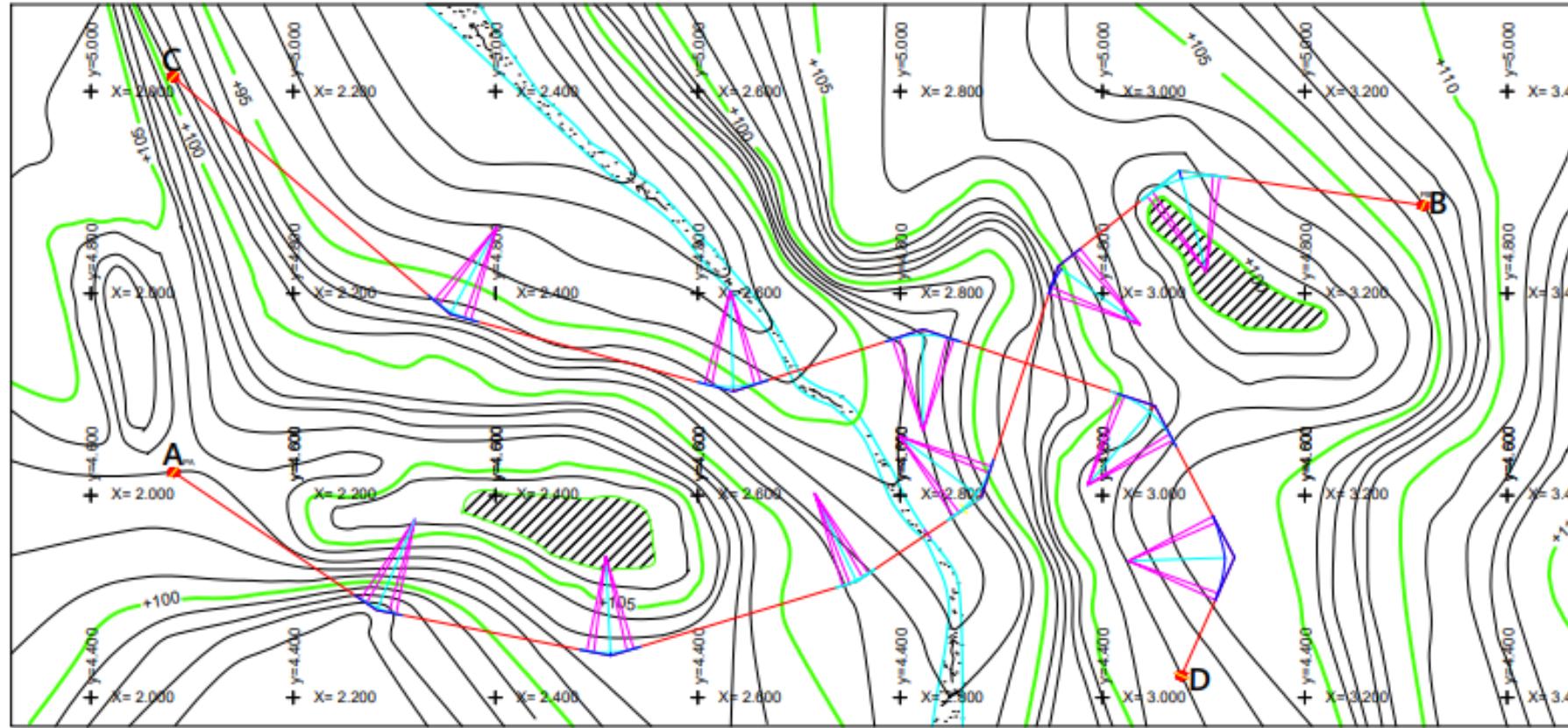
III Project

ROAD GEOMETRIC DESIGN



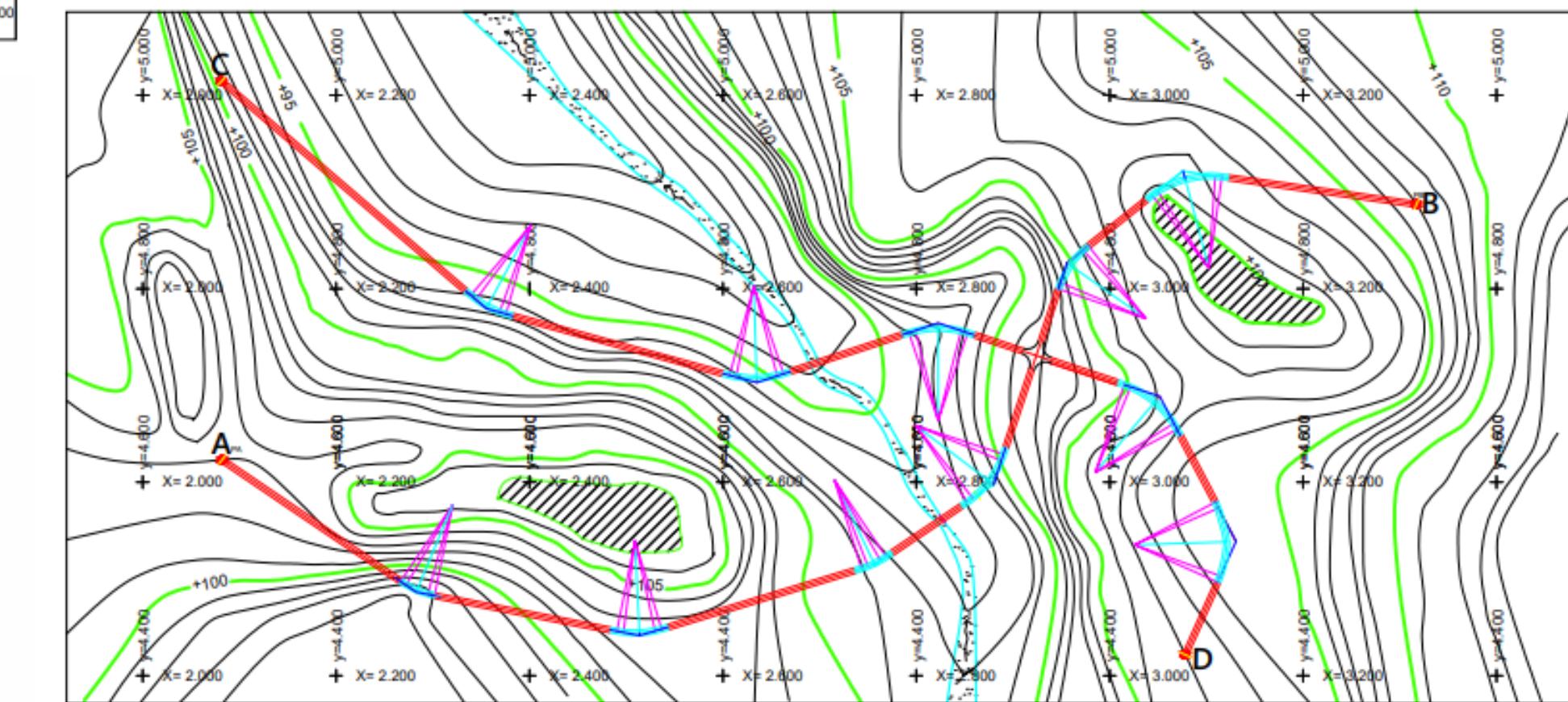
**PETA TOPOGRAFI
TRASE I**

Skala 1 : 10000

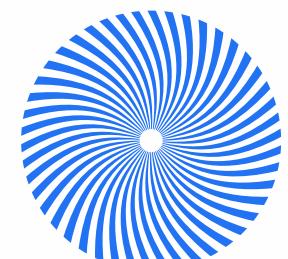
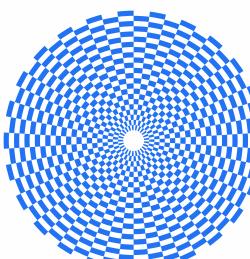


**PETA TOPOGRAFI
TRASE I**

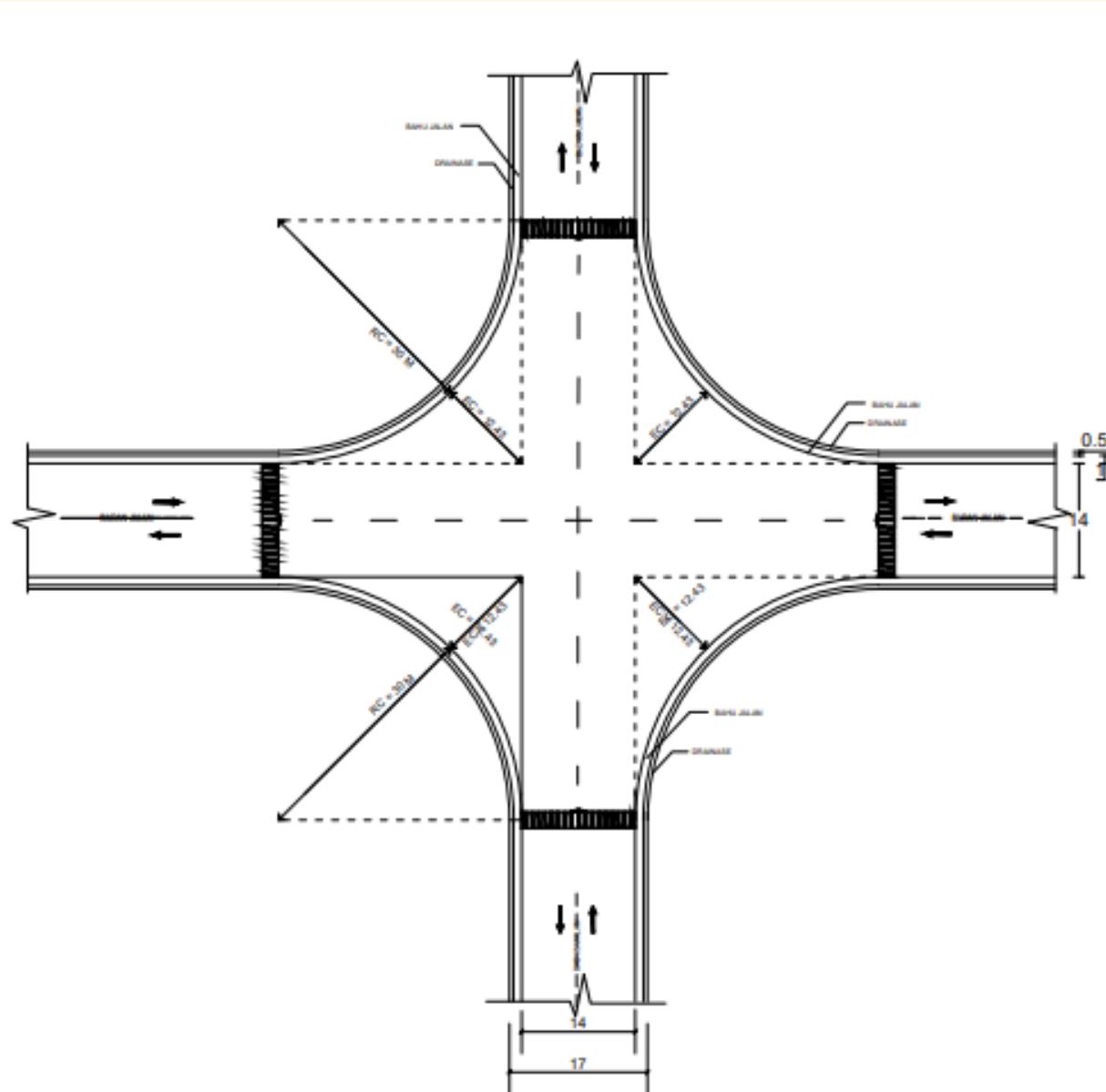
Skala 1 : 10000



Design Alinyemen Horizontal

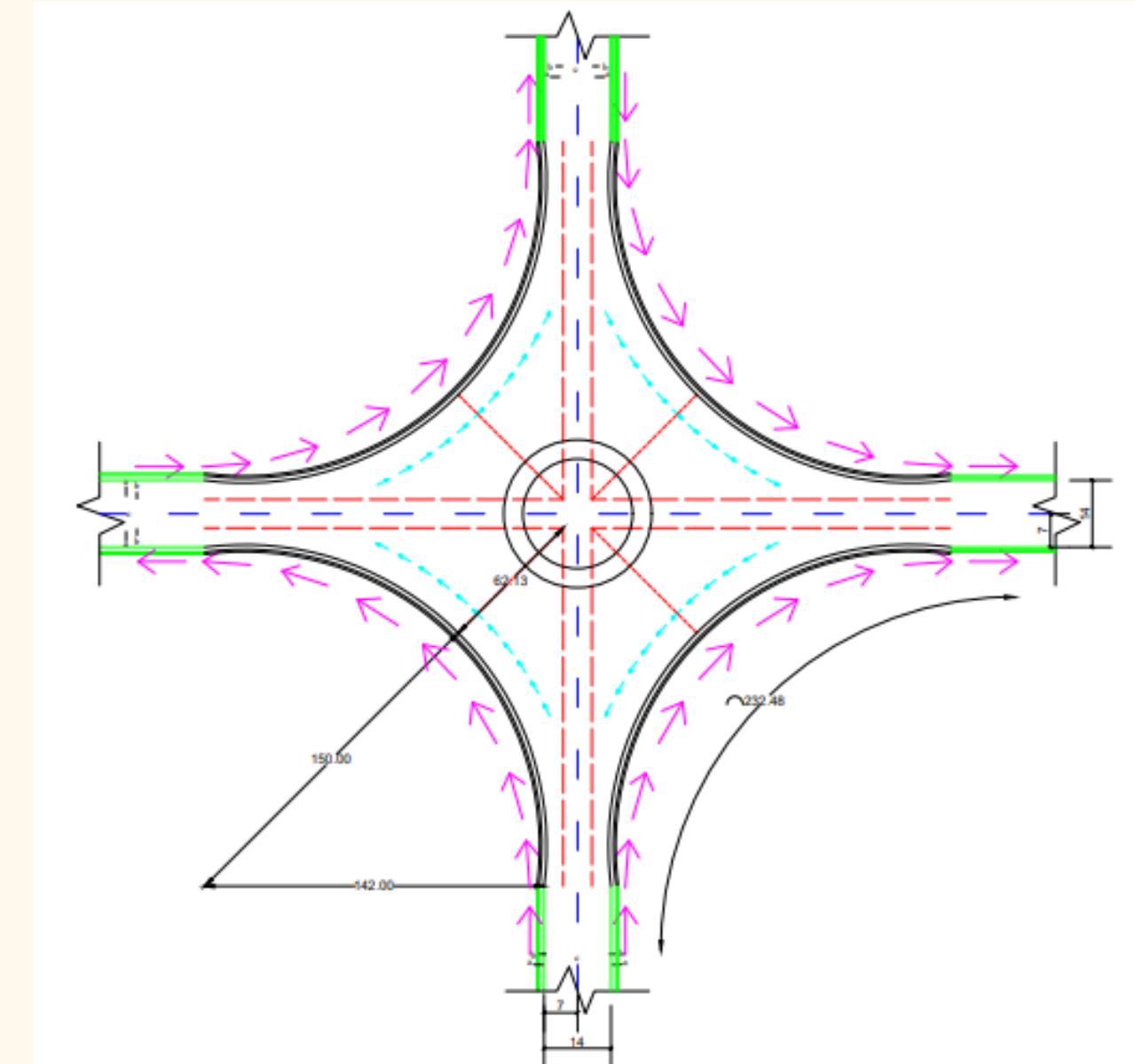


SIGNALIZED INTERSECTION DESIGN



01

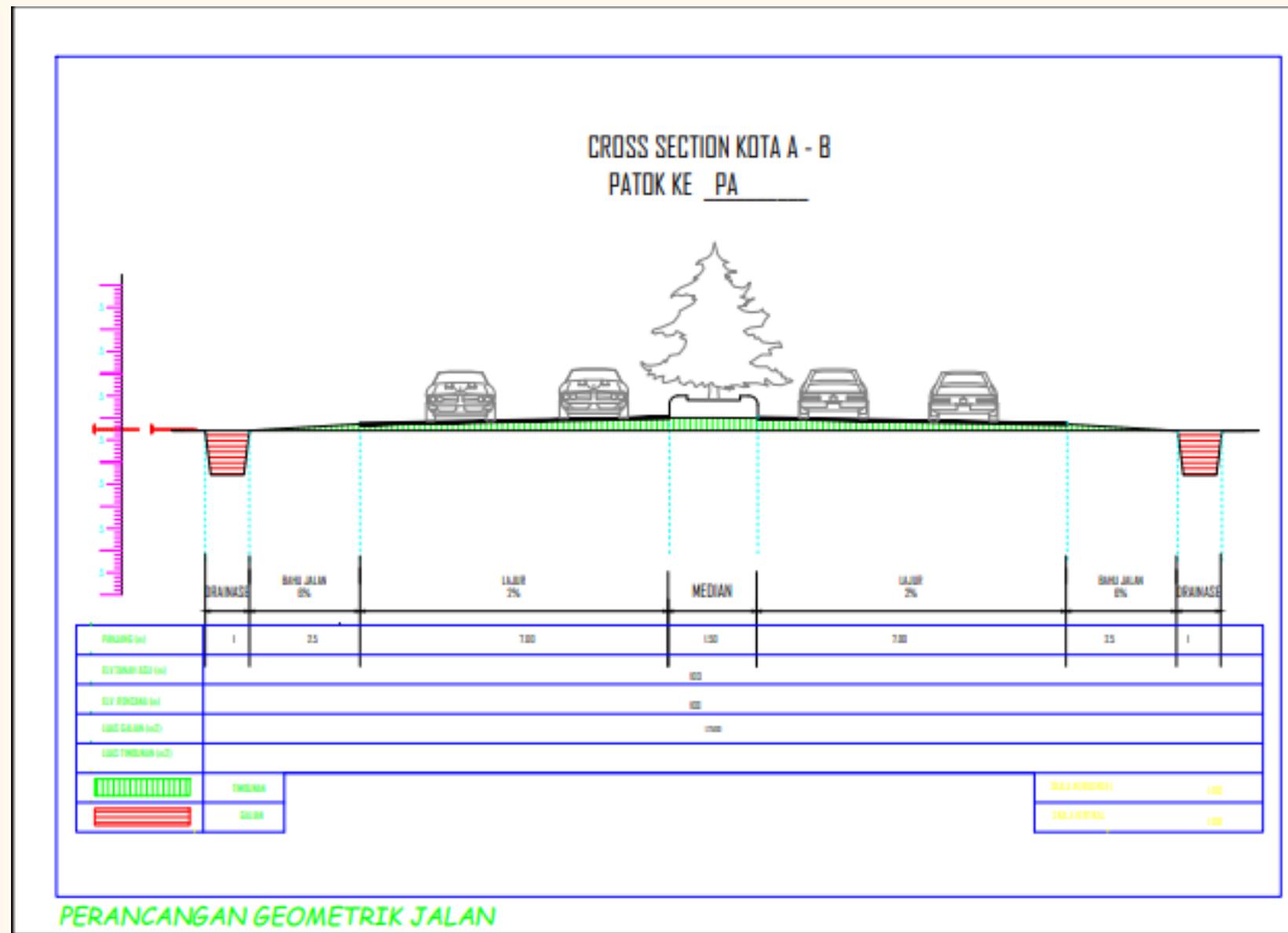
UNSIGNALIZED INTERSECTION DESIGN



02

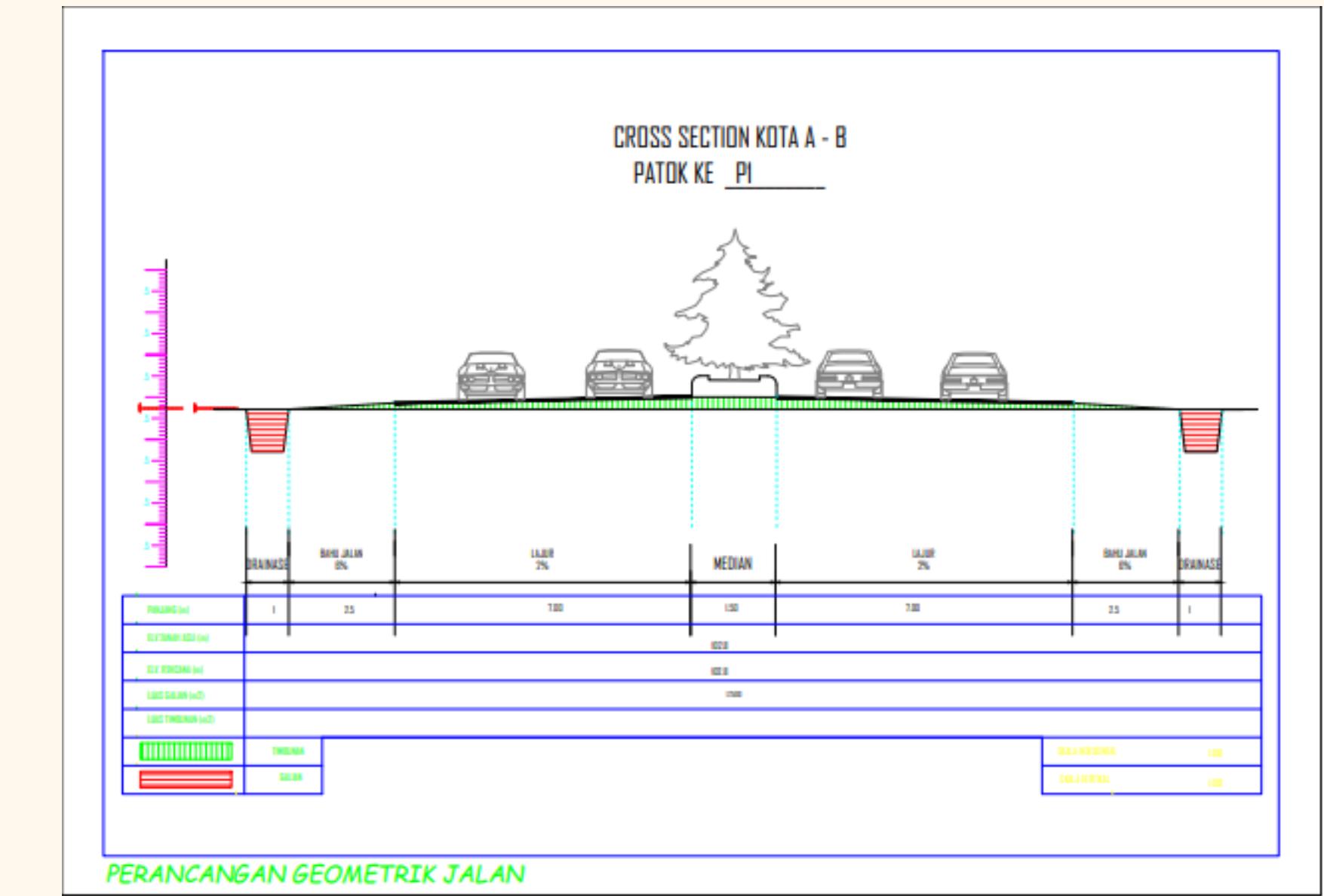
This Road Geometric Design uses the AutoCAD 2017 Application.

CROSS SECTION A-B PA



03

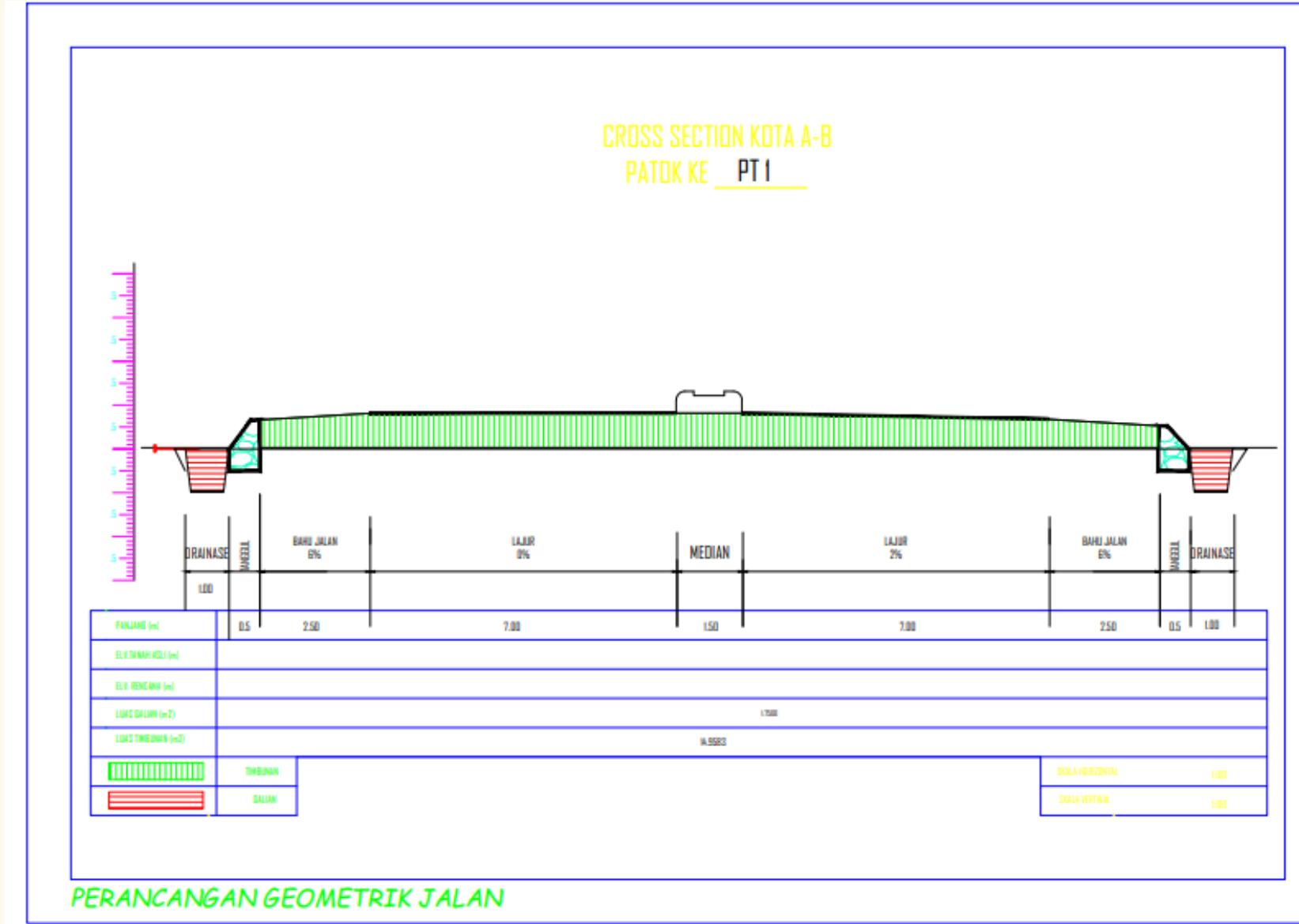
CROSS SECTION A-B P1



04

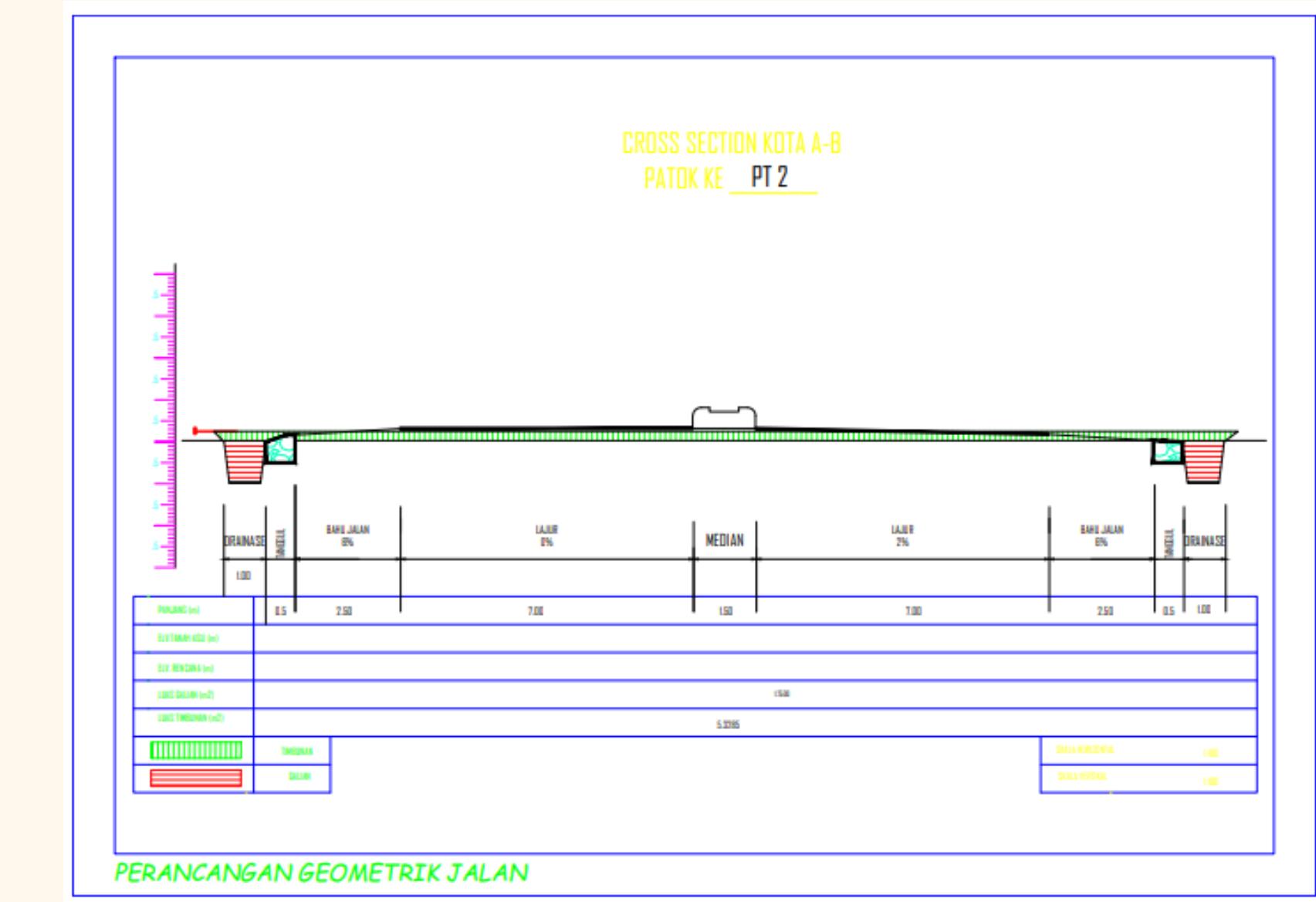
Calculations on this Road Geometric Design are in accordance with SNI starting from the design of the Road Trase to its vertical-horizontal alignment.

CROSS SECTION A-B PT 1



05

CROSS SECTION A-B PT 1



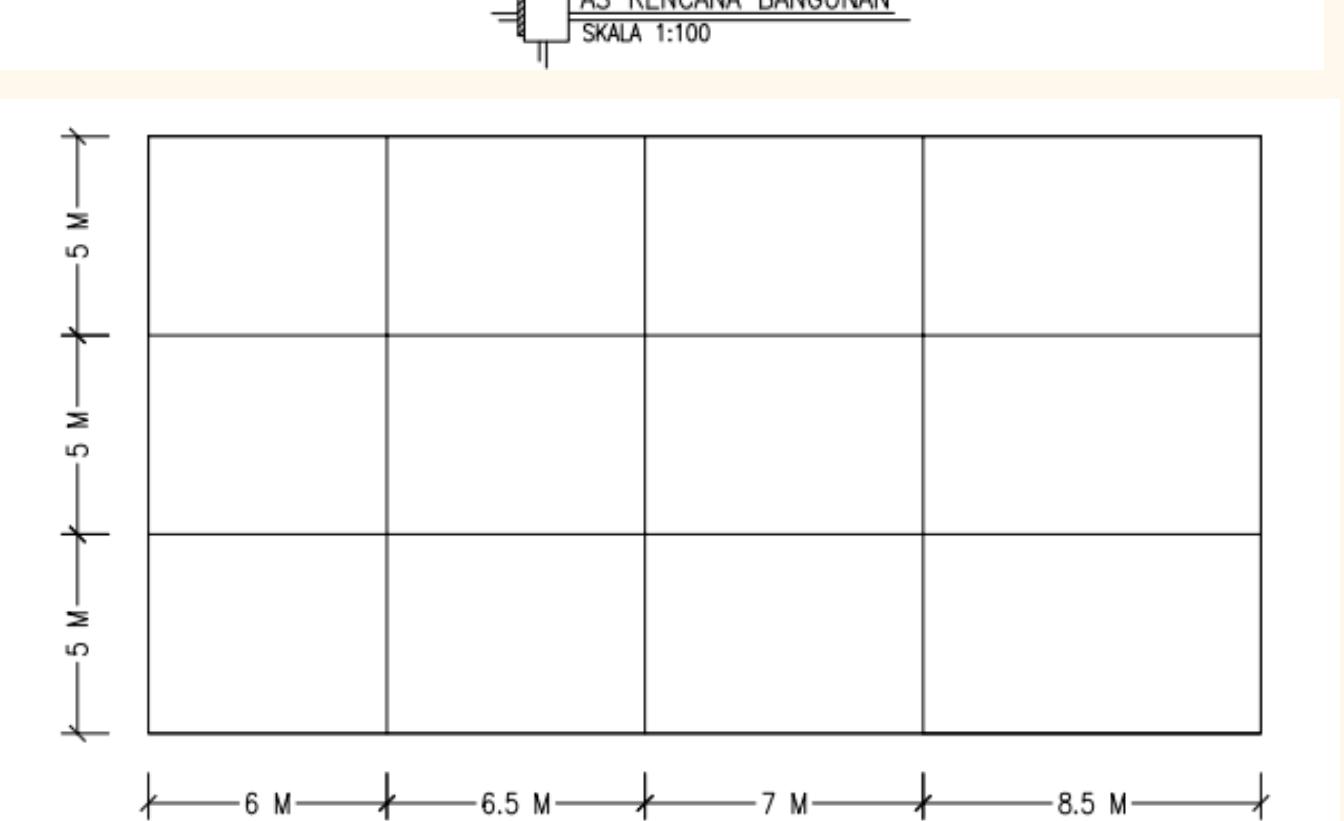
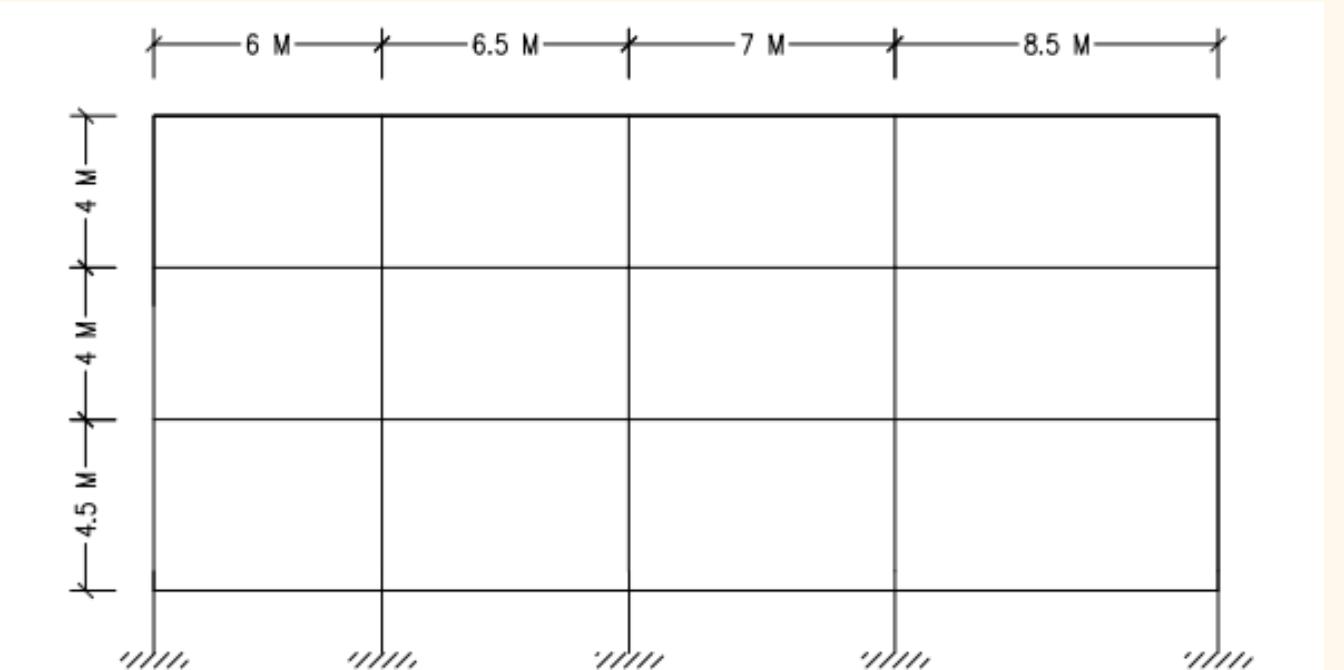
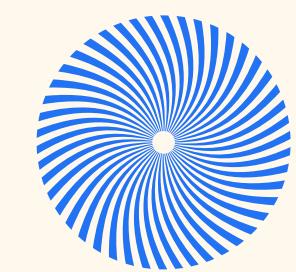
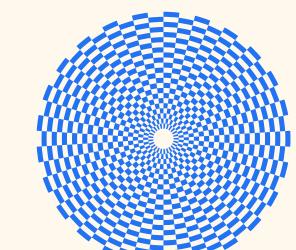
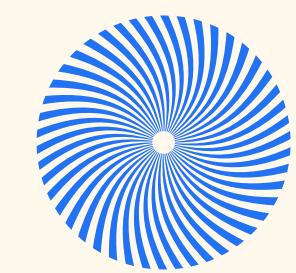
06

Calculations on this Road Geometric Design are in accordance with SNI starting from the design of the Road Trase to its vertical-horizontal alignment.

IV Project

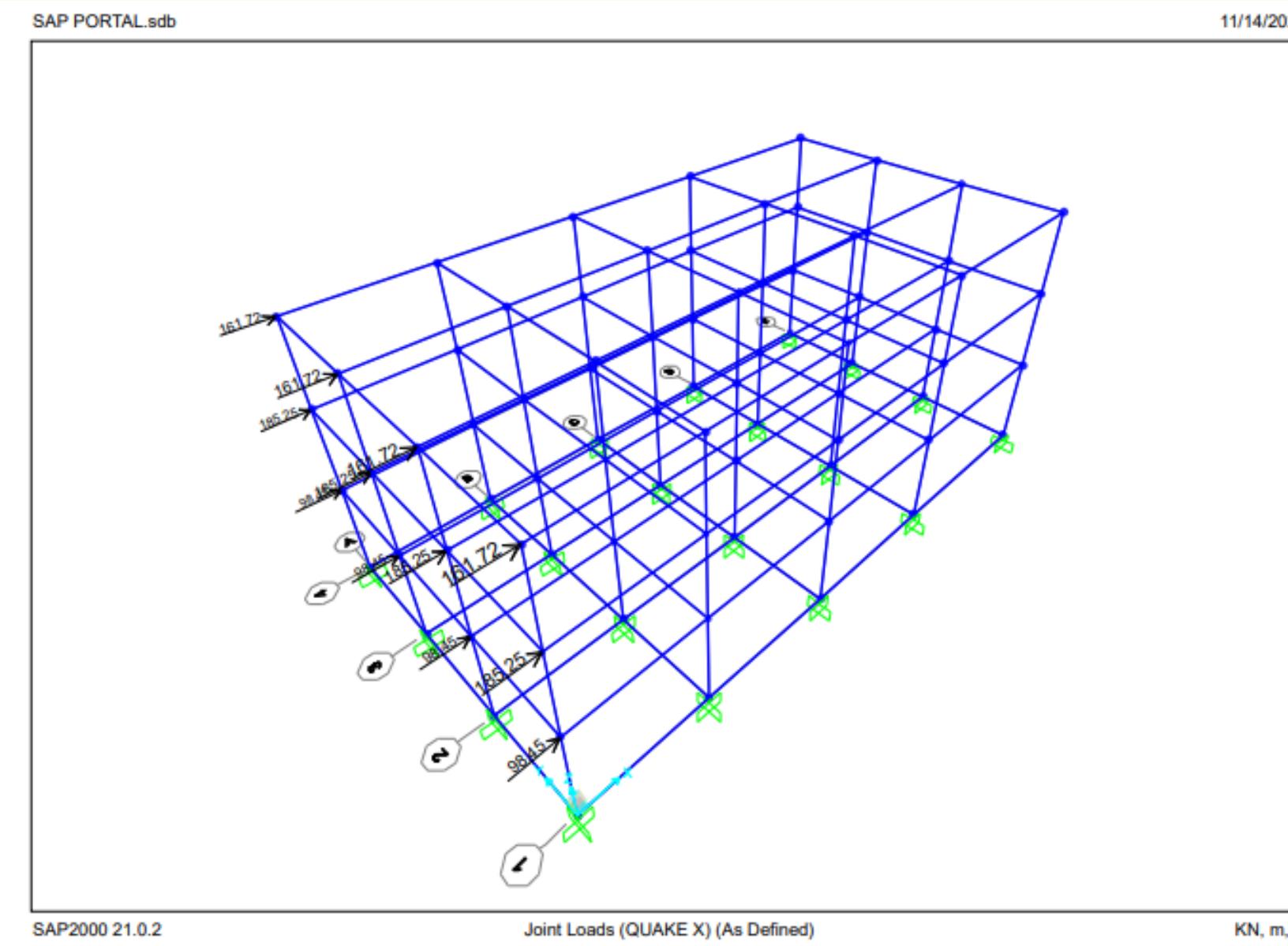
BUILDING STRUCTURE DESIGN using SAP 2000

The building structure design is created using AutoCAD and calculated in accordance with Indonesian National Standards (SNI) using SAP2000

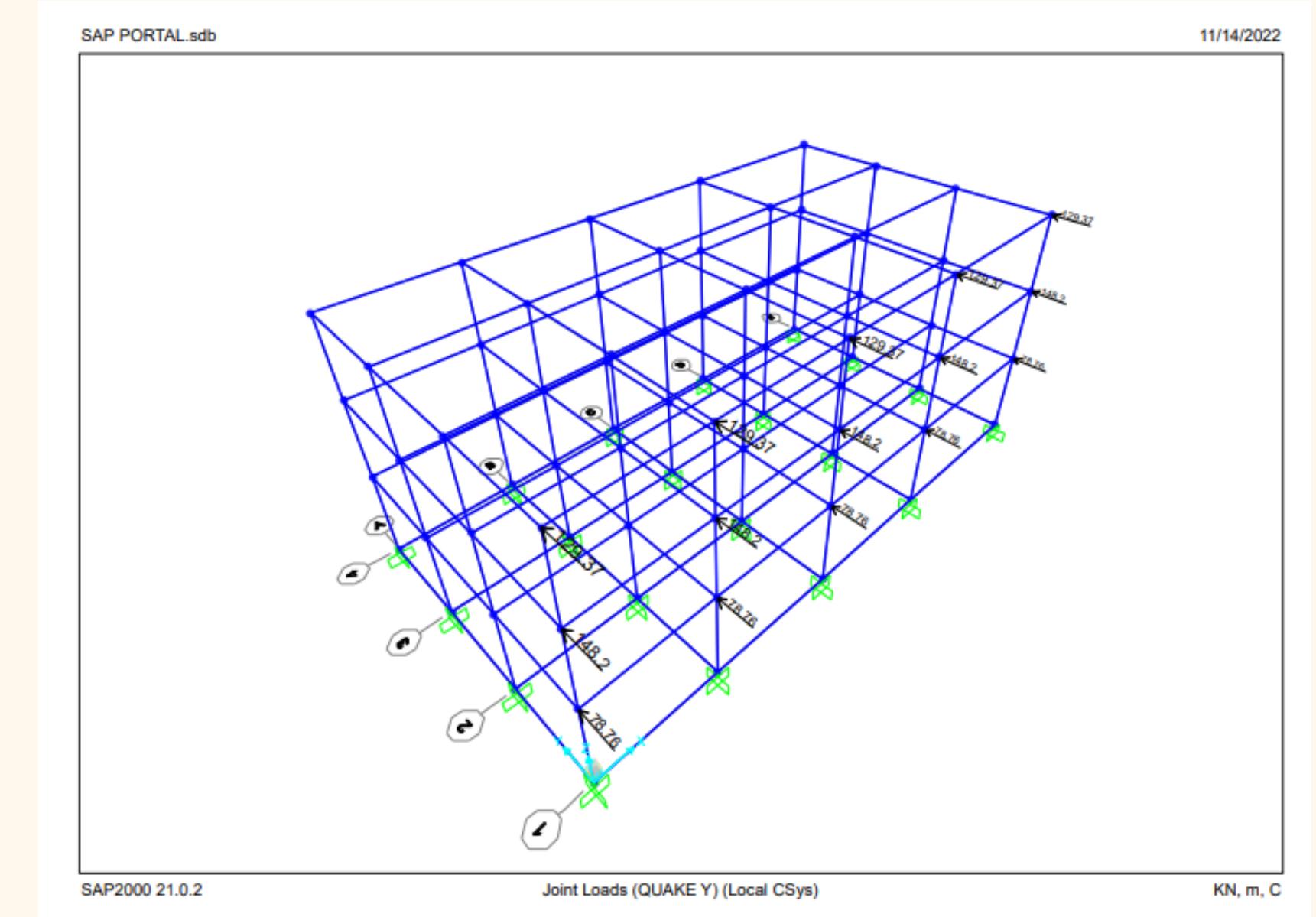


AS RENCANA BANGUNAN
SKALA 1:100

JOIN LOADS QUAKE X



JOIN LOADS QUAKE Y

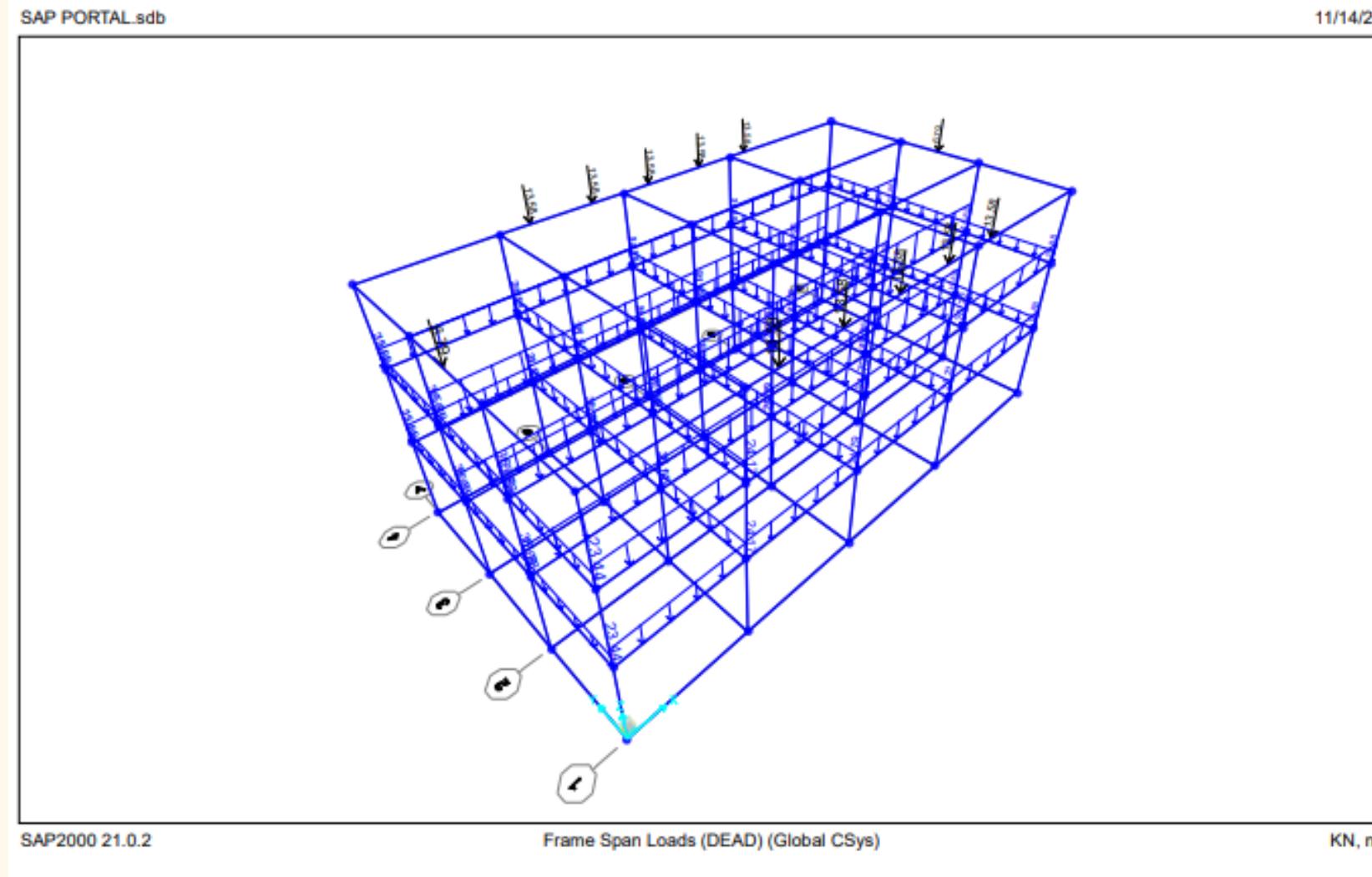


03

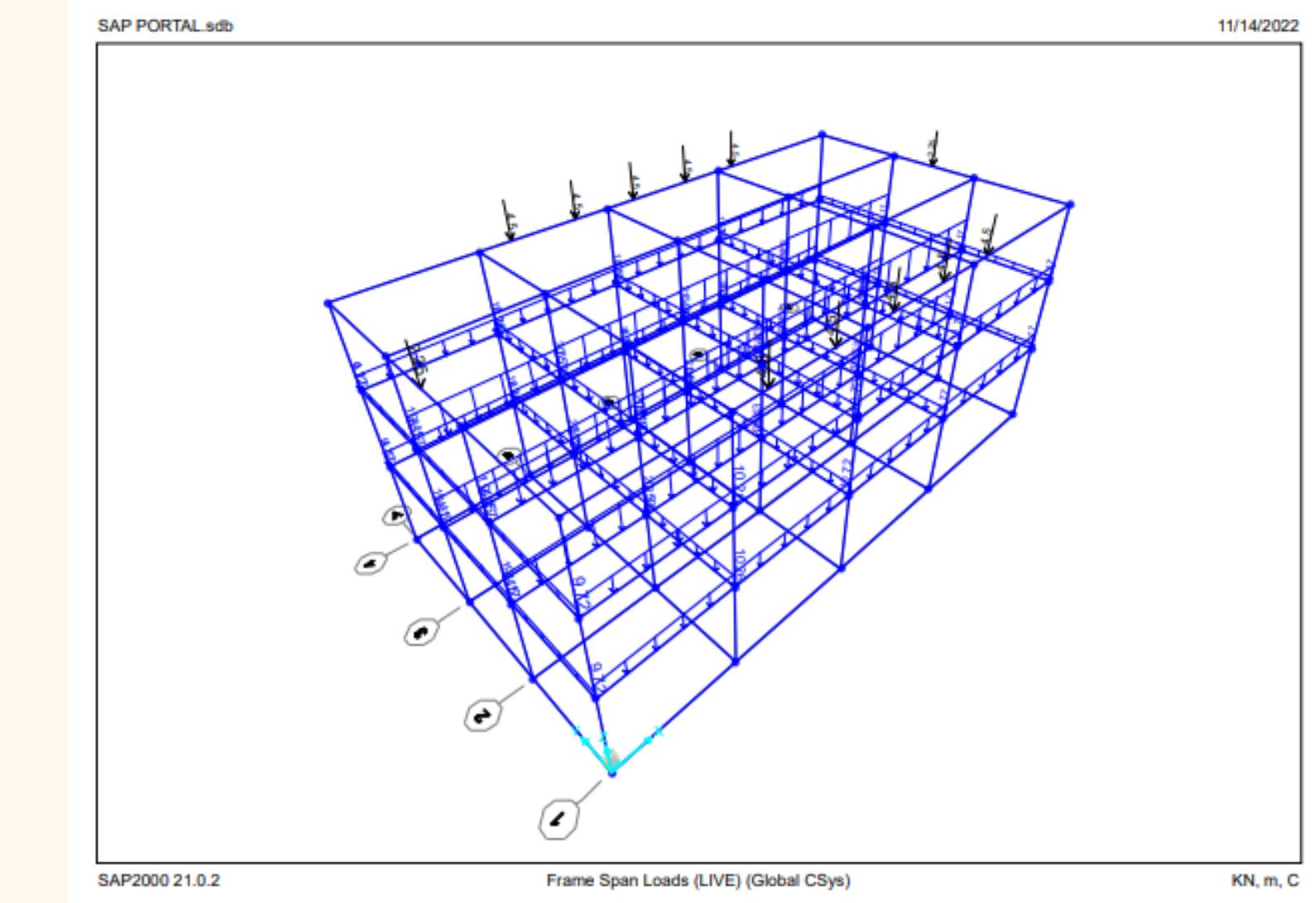
04

The structural design calculations for this building start with column, beam, slab, and portal calculations using SAP2000 in accordance with Indonesian National Standards (SNI)

FRAME SPAN LOADS DEAD

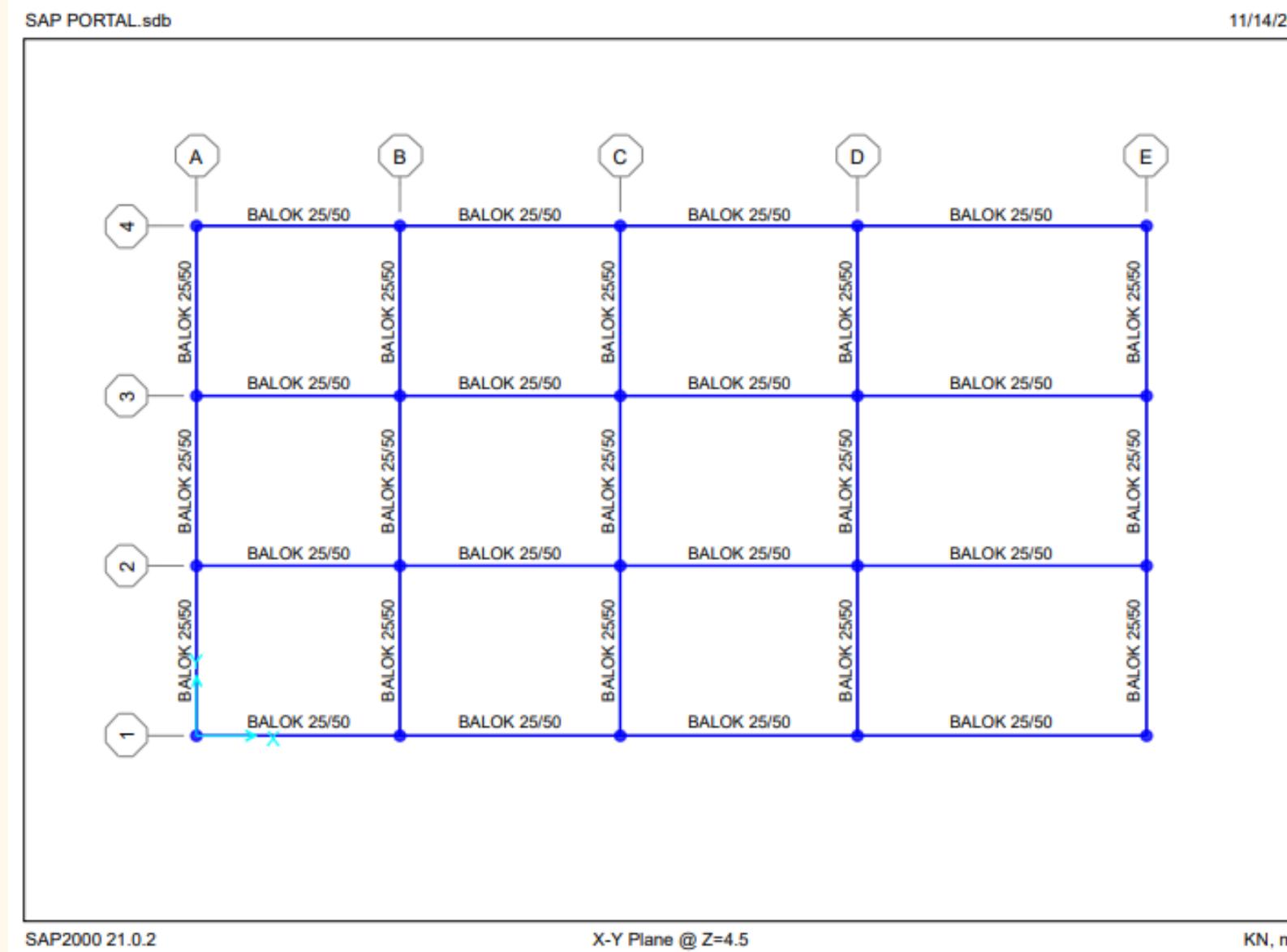


FRAME SPAN LOADS LIVE



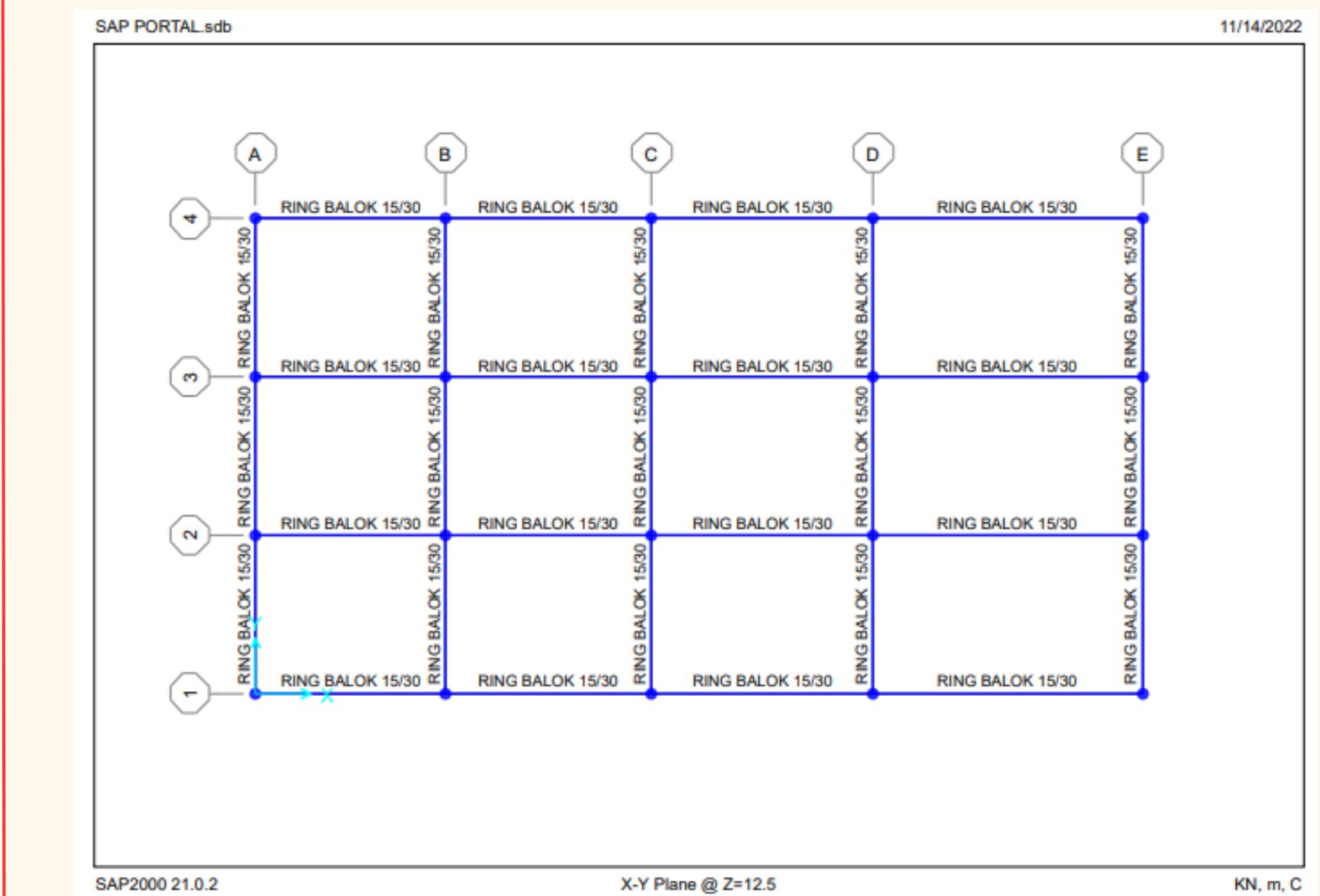
The structural design calculations for this building start with column, beam, slab, and portal calculations using SAP2000 in accordance with Indonesian National Standards (SNI)

SAP PORTAL BALOK 25/50



07

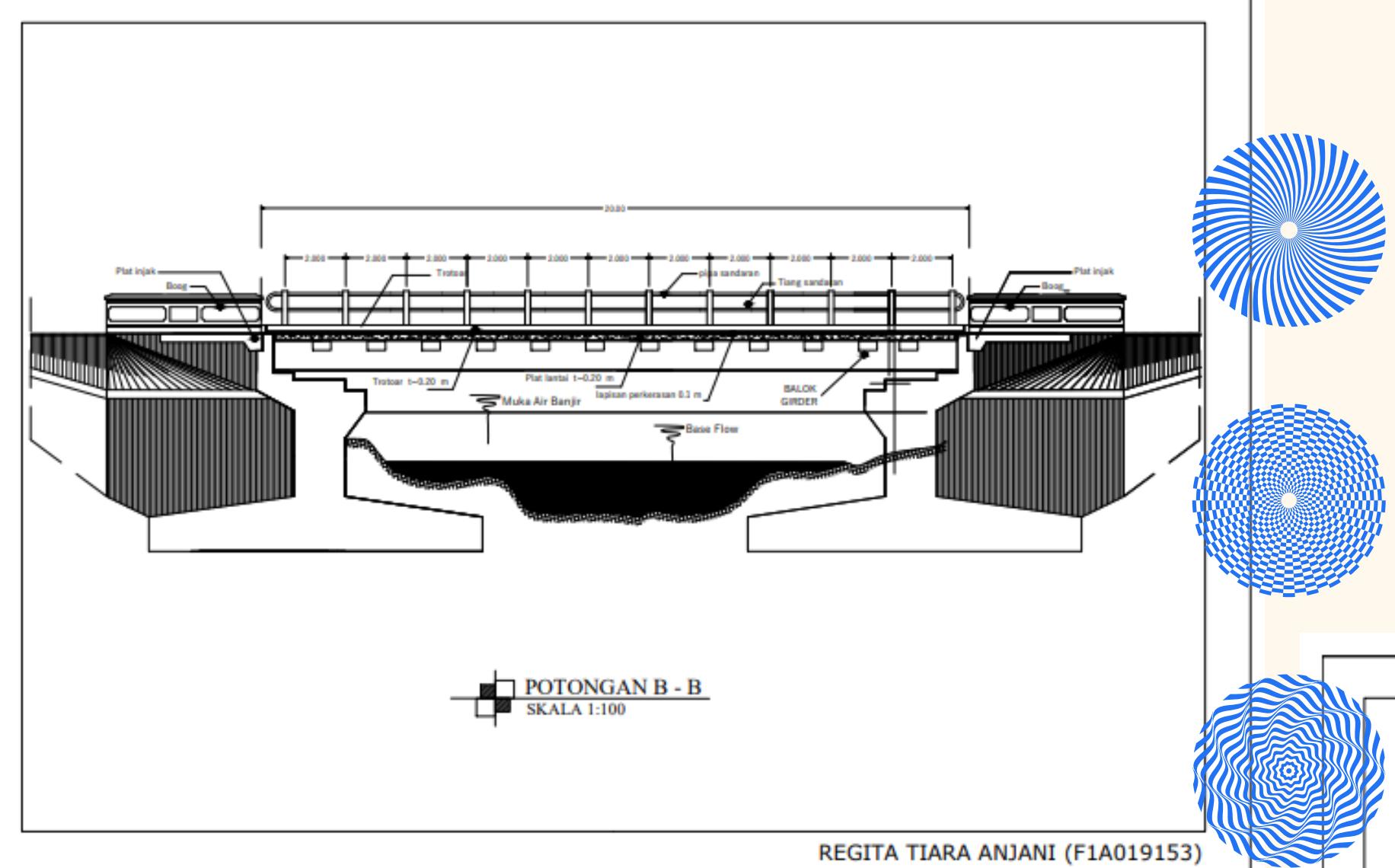
SAP PORTAL BALOK 15/30



08

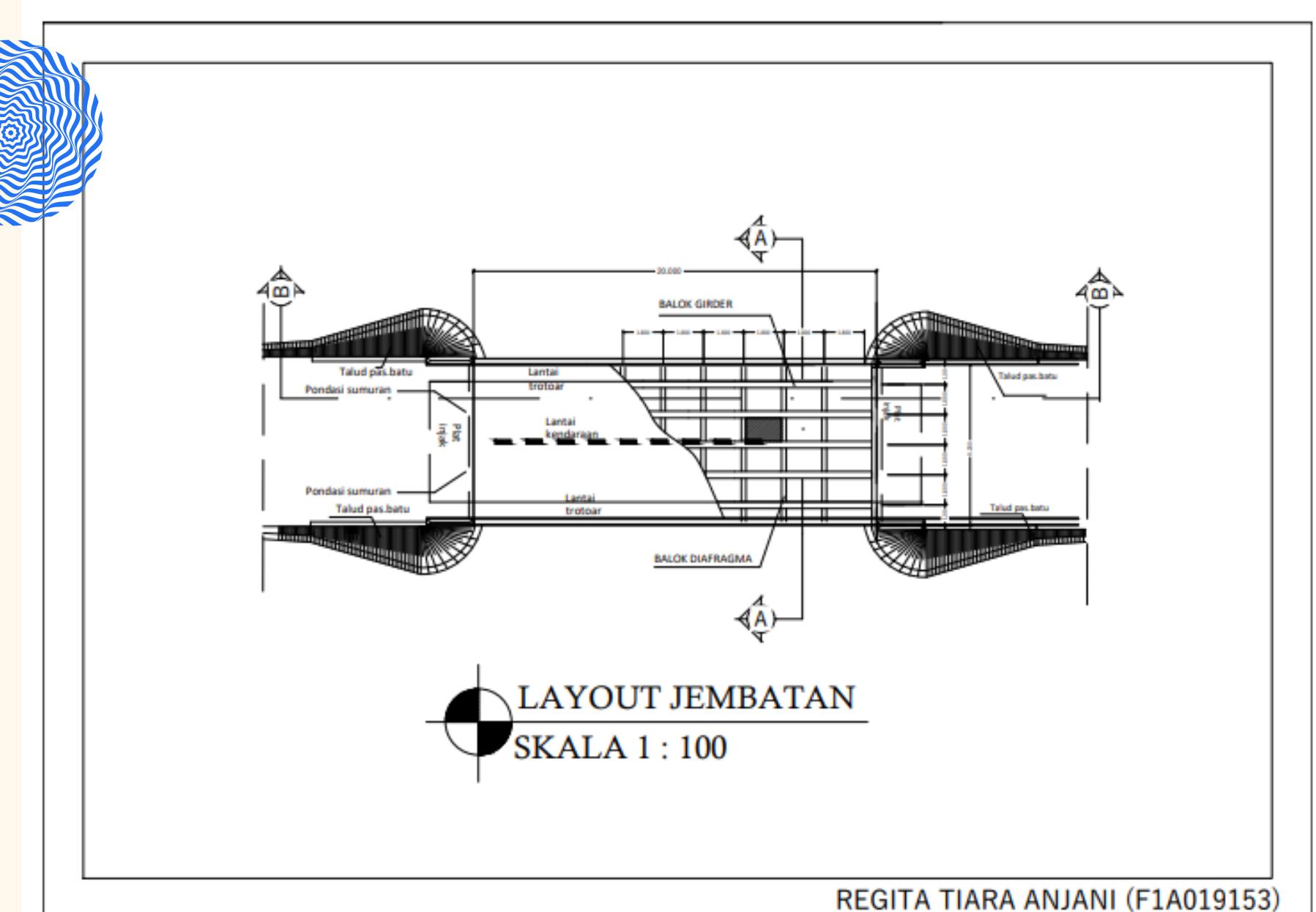
The structural design calculations for this building start with column, beam, slab, and portal calculations using SAP2000 in accordance with Indonesian National Standards (SNI)

Bridge design using AutoCAD 2017 and SAP 2000. Using the calculation of Indeterminate Static Structure Analysis in this design

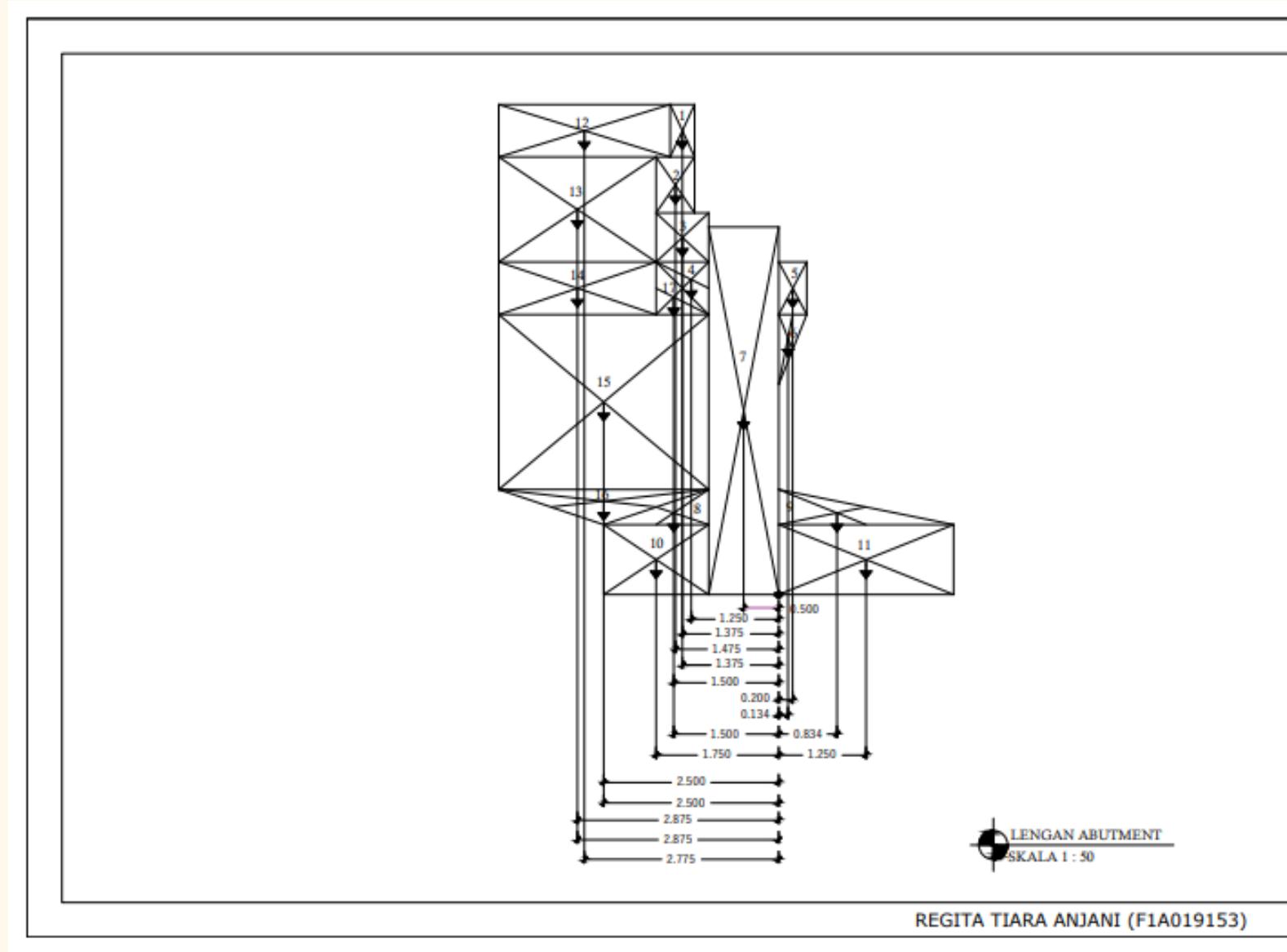


V Project

GIRDER BRIDGE DESIGN

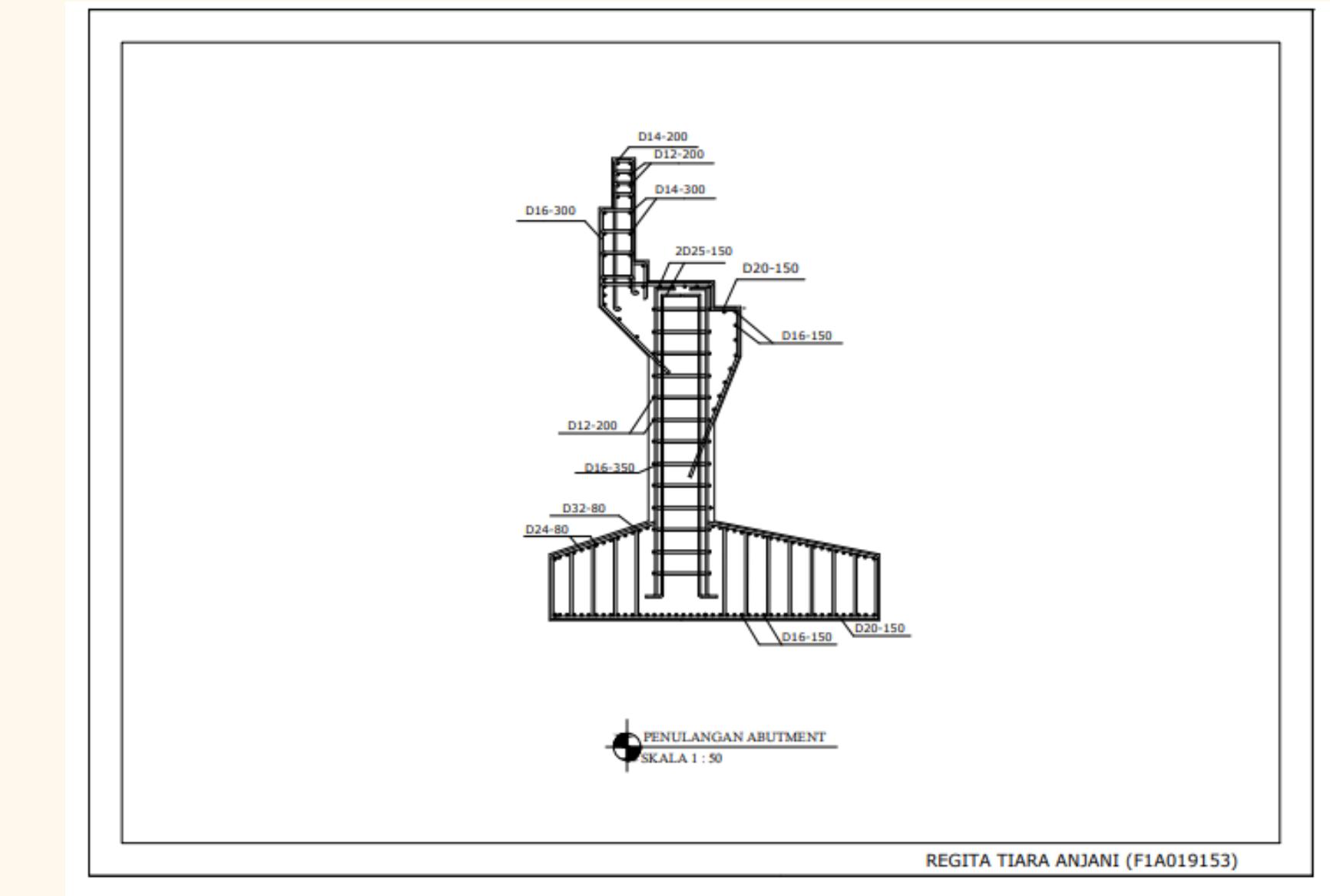


ABUTMENT WING WALL



03

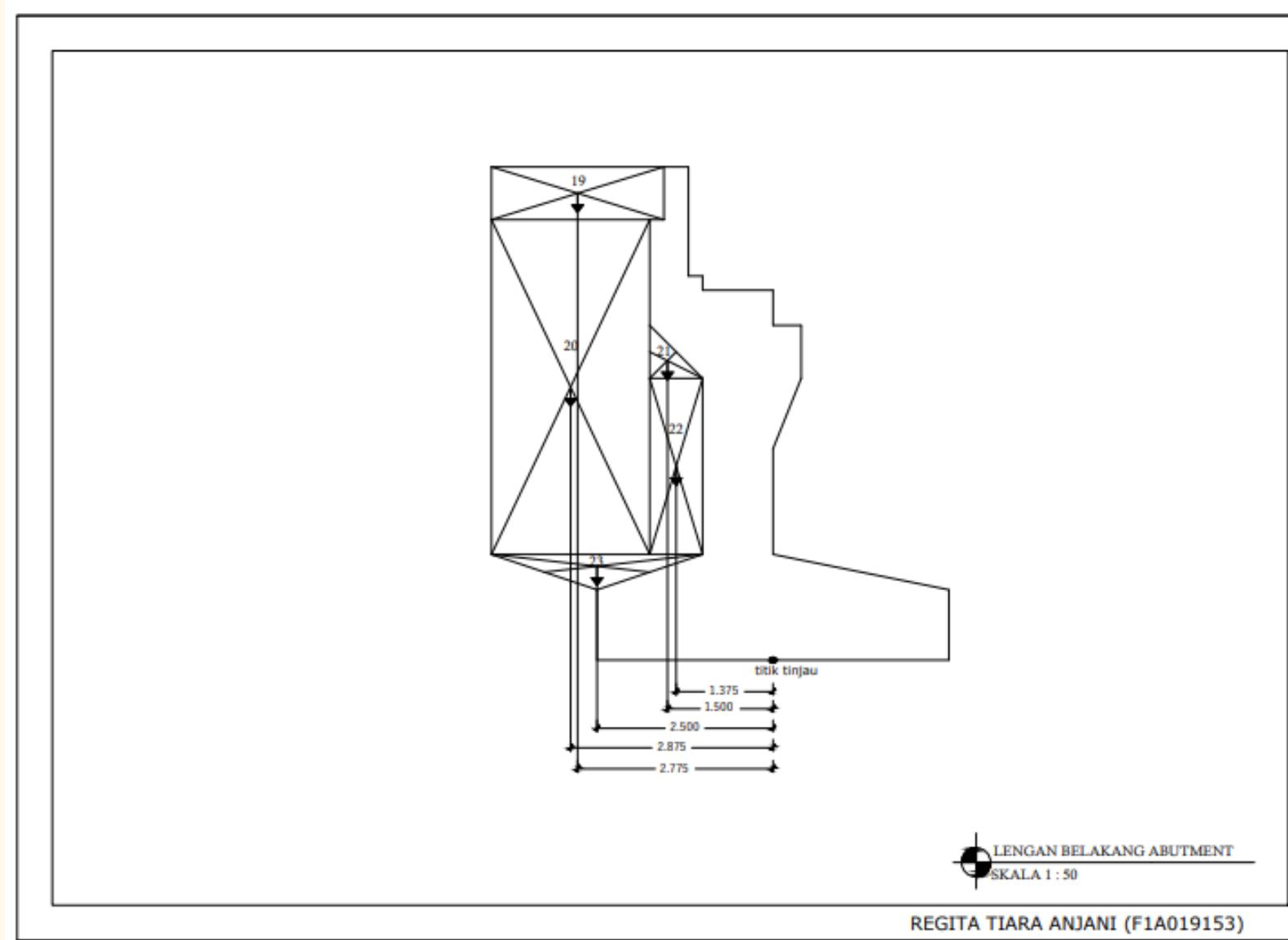
REINFORCEMENT ABUTMENT



04

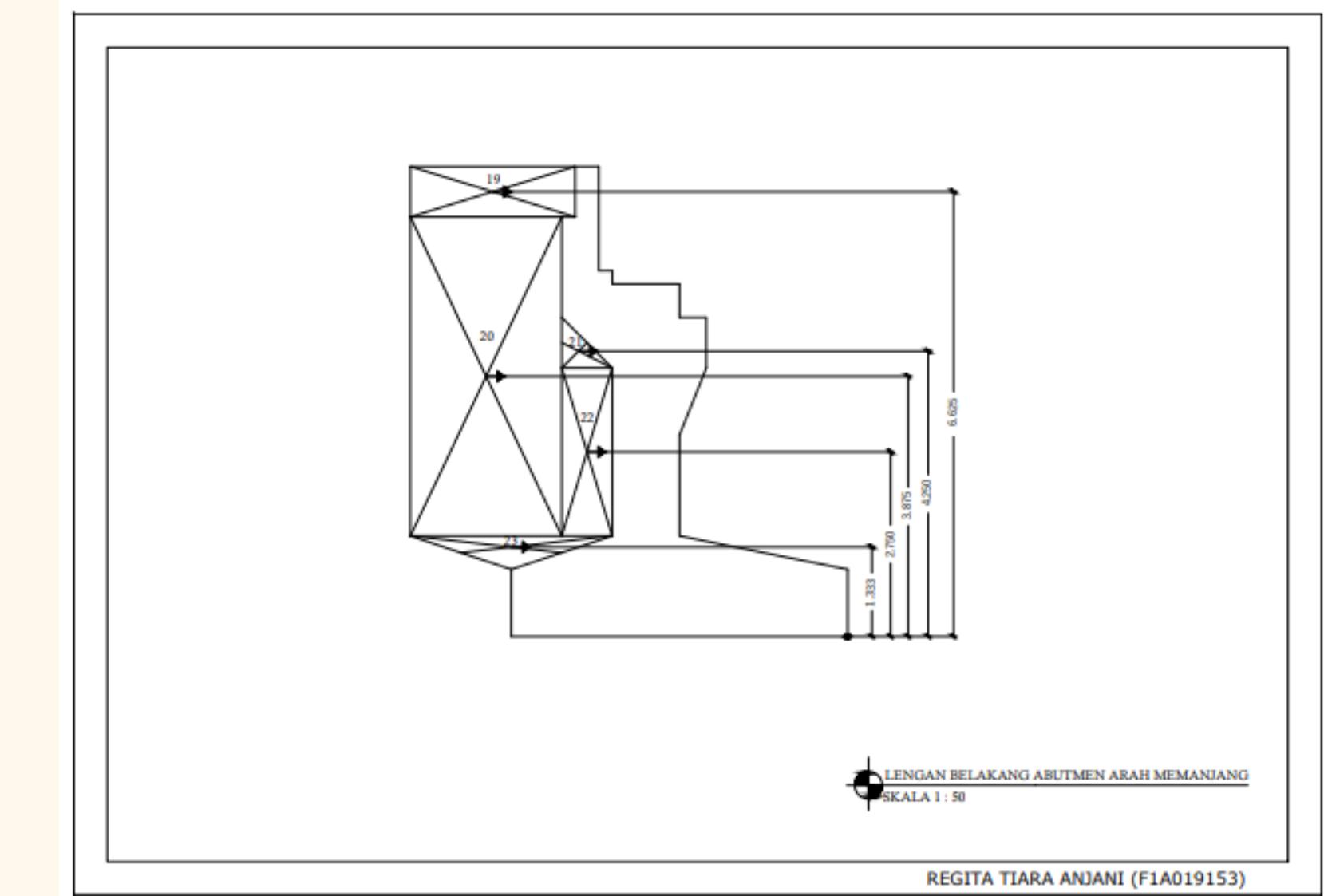
The structural design calculations for this building calculations using SAP2000 in accordance with Indonesian National Standards (SNI)

BACK WING WALL OF THE ABUTMENT



05

LONGITUDINAL BACK WING WALL OF THE ABUTMENT



06

The structural design calculations for this building calculations using SAP2000 in accordance with Indonesian National Standards (SNI)