

BAB II

CERTAIN STATIC BEAM STRUCTURES DUE TO FIXED LOADS

A bridge will be planned to connect region A and region B. The bridge has an elongated girder in the middle of the bridge width above which there is a highway. This longitudinal girder structure is modelled as a simple beam using joints and rollers at each end.

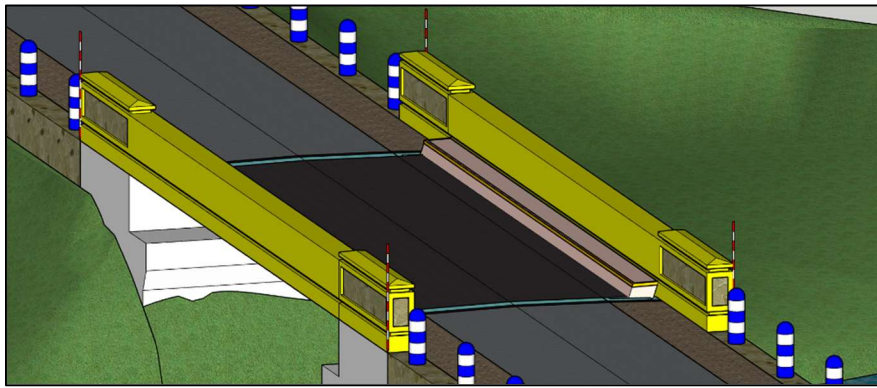


Figure 2.1 3D View of the Bridge

Command: Report Structure Calculation Results!

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A

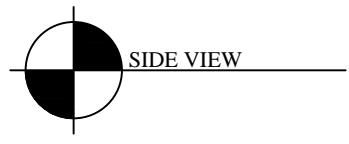
CONCRETE WALL

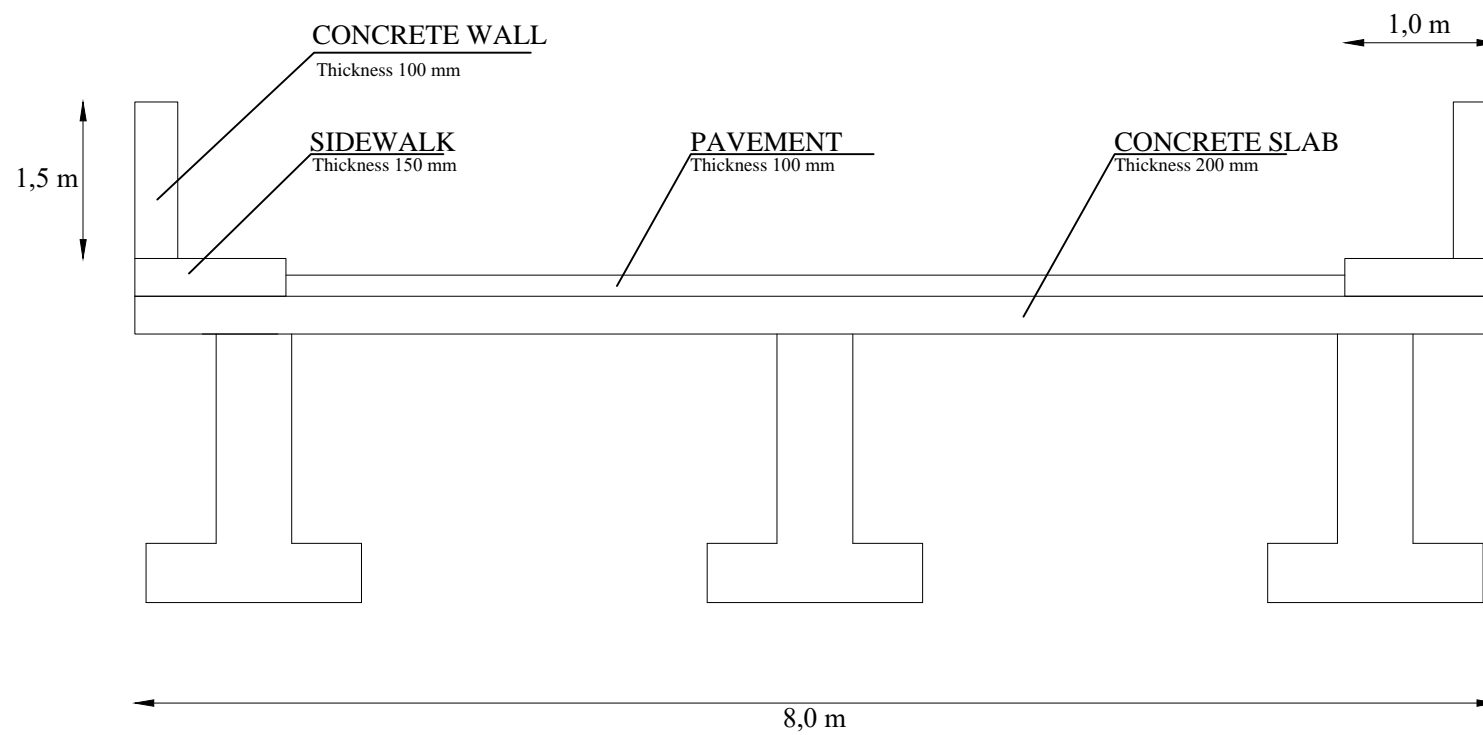
SIDEWALK

CONCRETE SLAB

GIRDER

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BAB III

CERTAIN STATIC FRAME STRUCTURES DUE TO FIXED LOADS

The structure of the staircase is defined as a frame that has joint and roller supports. And the load is the weight of the stair plate, stair landing, and ceramics.

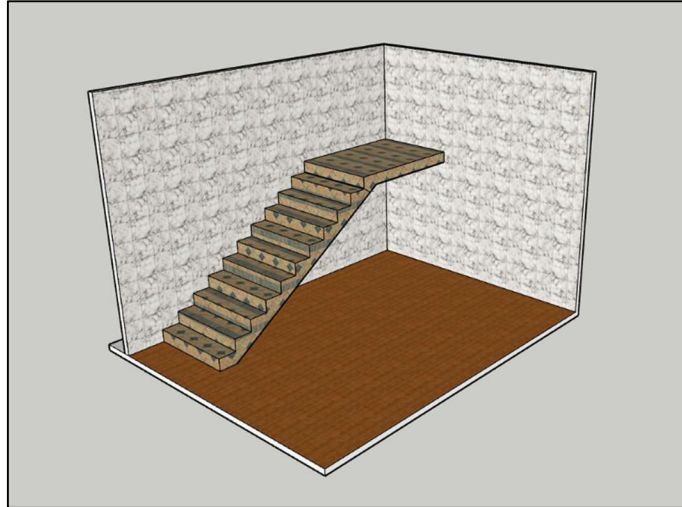
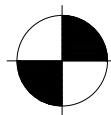
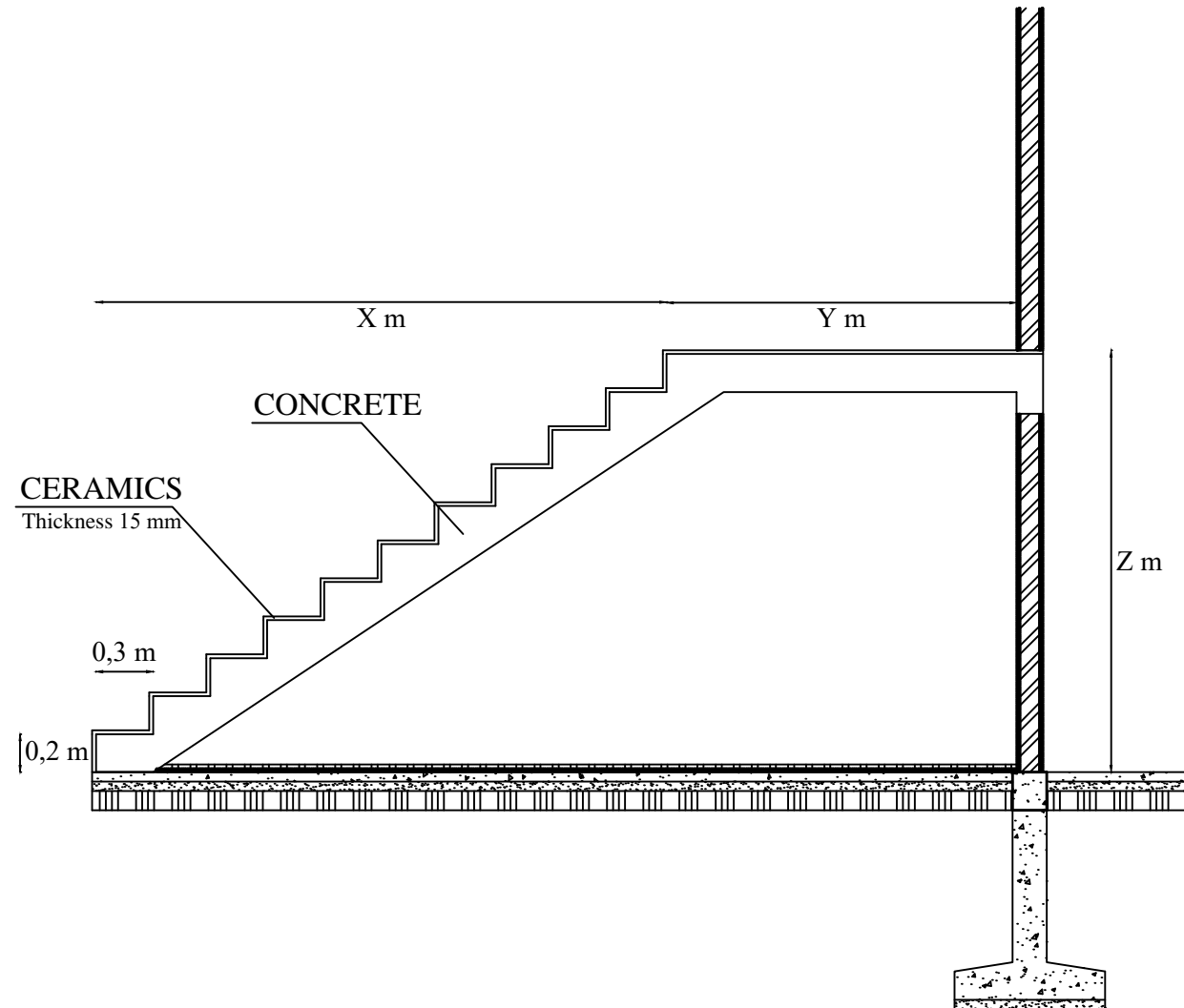


Figure 3.1 3D View of Staircase

Command: Report Structure Calculation Results!



SIDE VIEW

BAB IV

CERTAIN STATIC TRUSS STRUCTURES DUE TO

FIXED LOAD

A pratt-type truss bridge connecting region A and region B is planned. The structure of the bridge is defined as a truss.

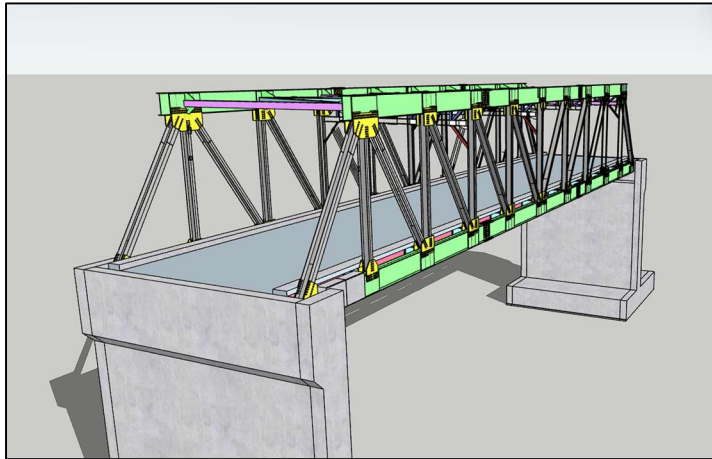
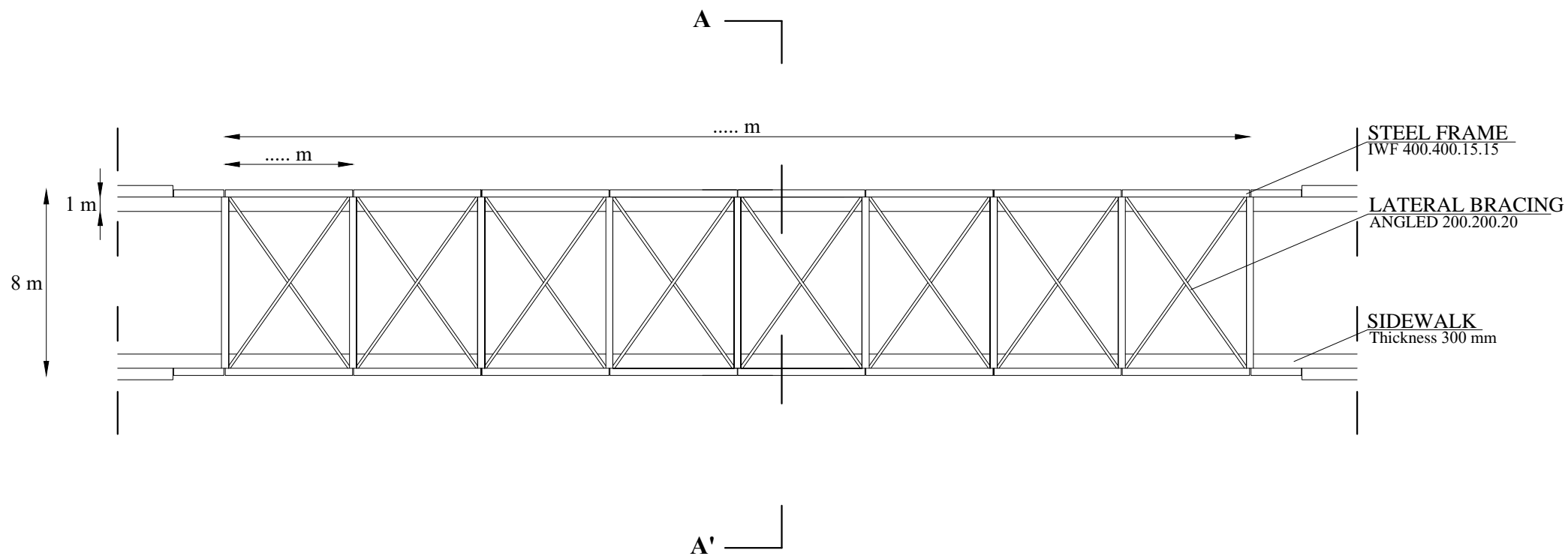
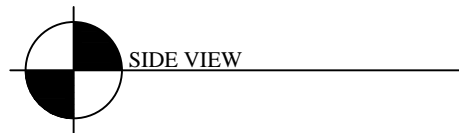
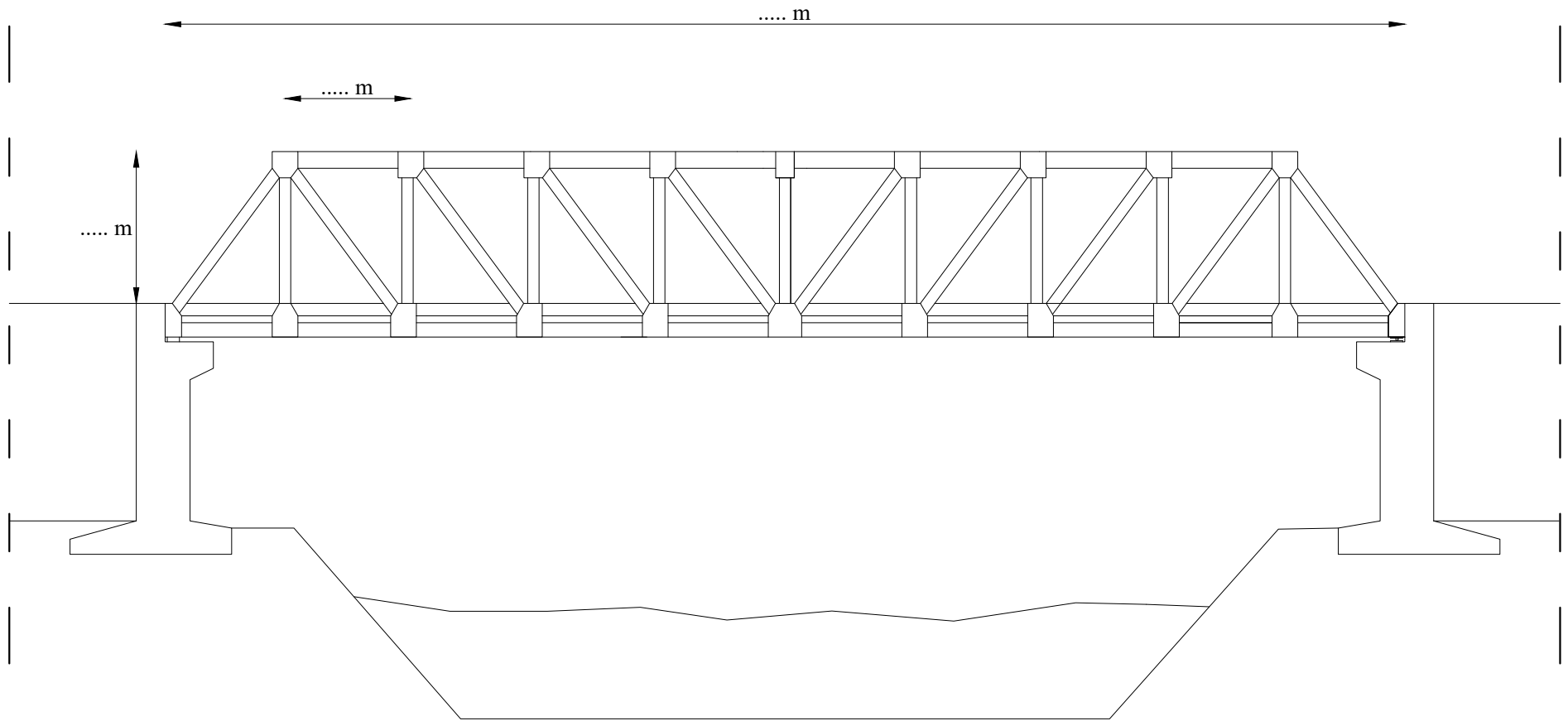
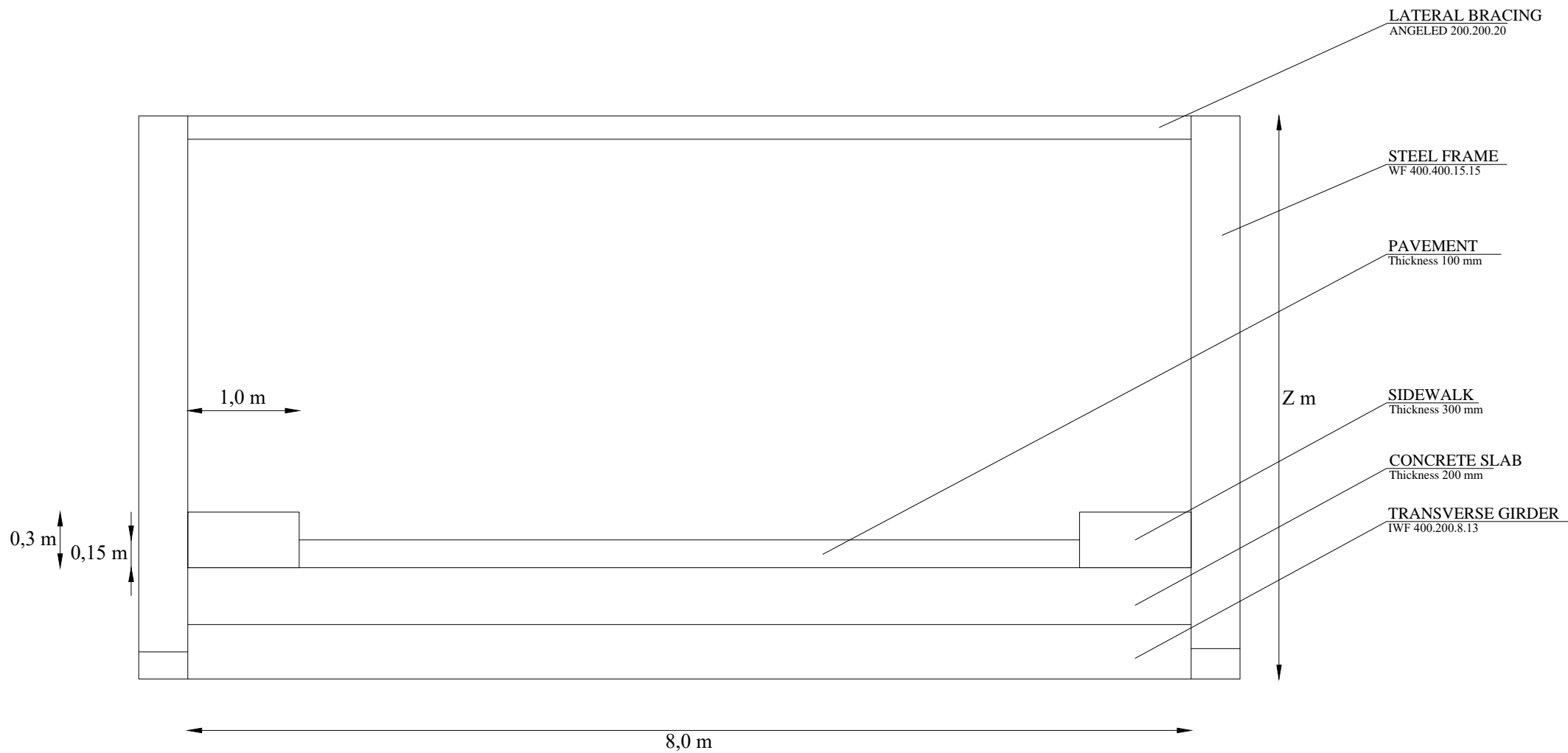


Figure 4.1 3D View of Pratt Truss Bridge

Command: Report Structure Calculation Results!







BAB V

CERTAIN STATIC BEAM STRUCTURES DUE TO MOVING LOADS

A bridge will be planned to connect region A and region B. The bridge has an elongated girder in the middle of the bridge width above which there is a highway. This longitudinal girder structure is modelled as a simple beam using joints and rollers at each end.

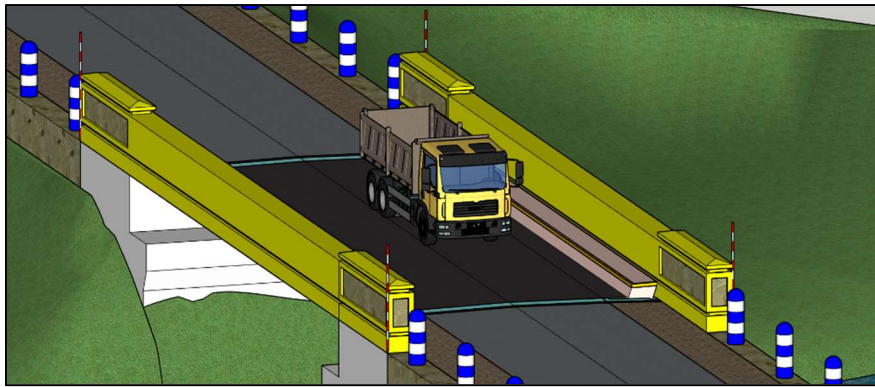
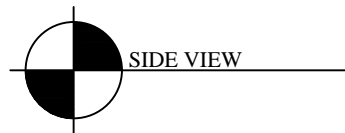
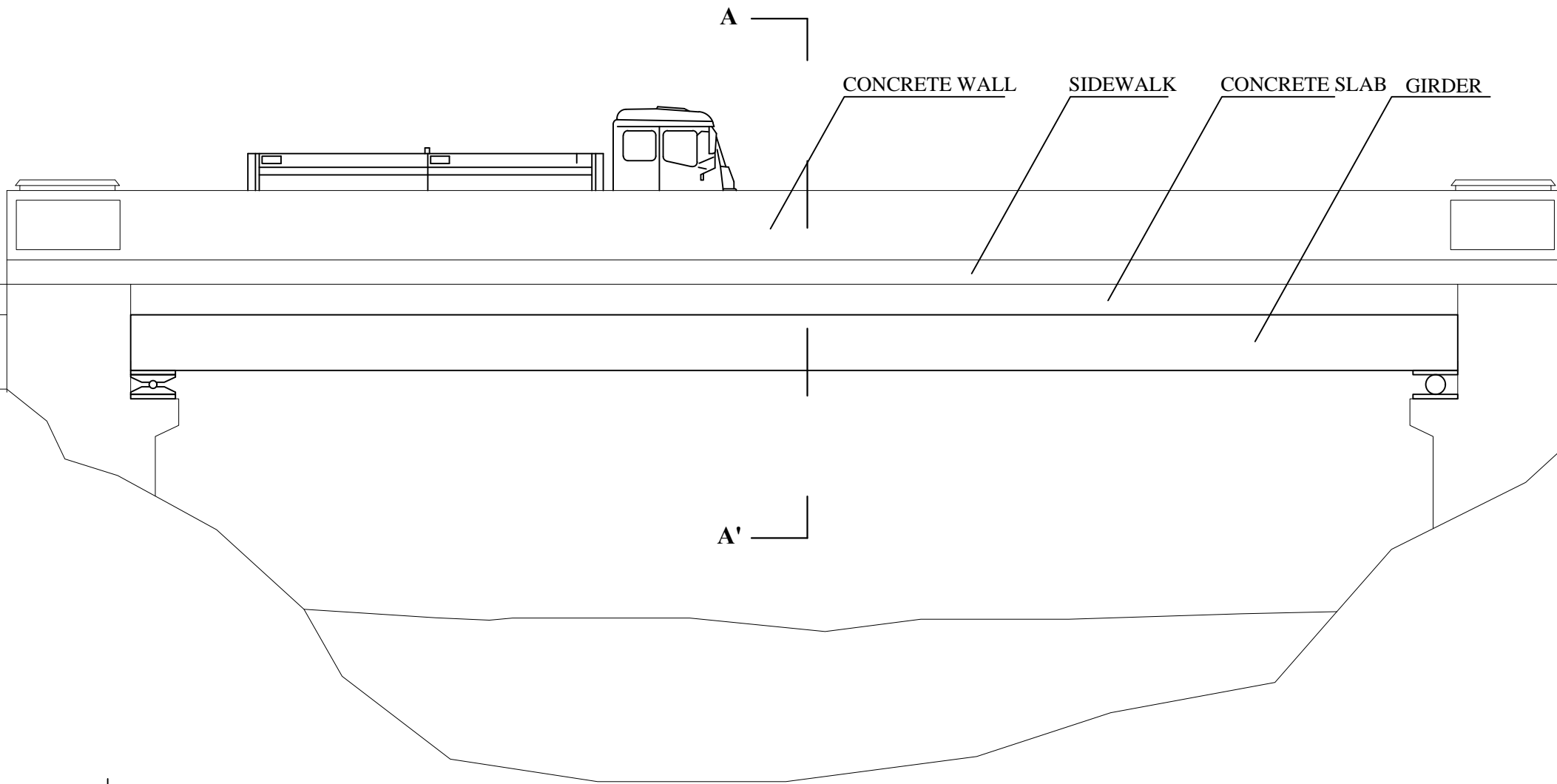
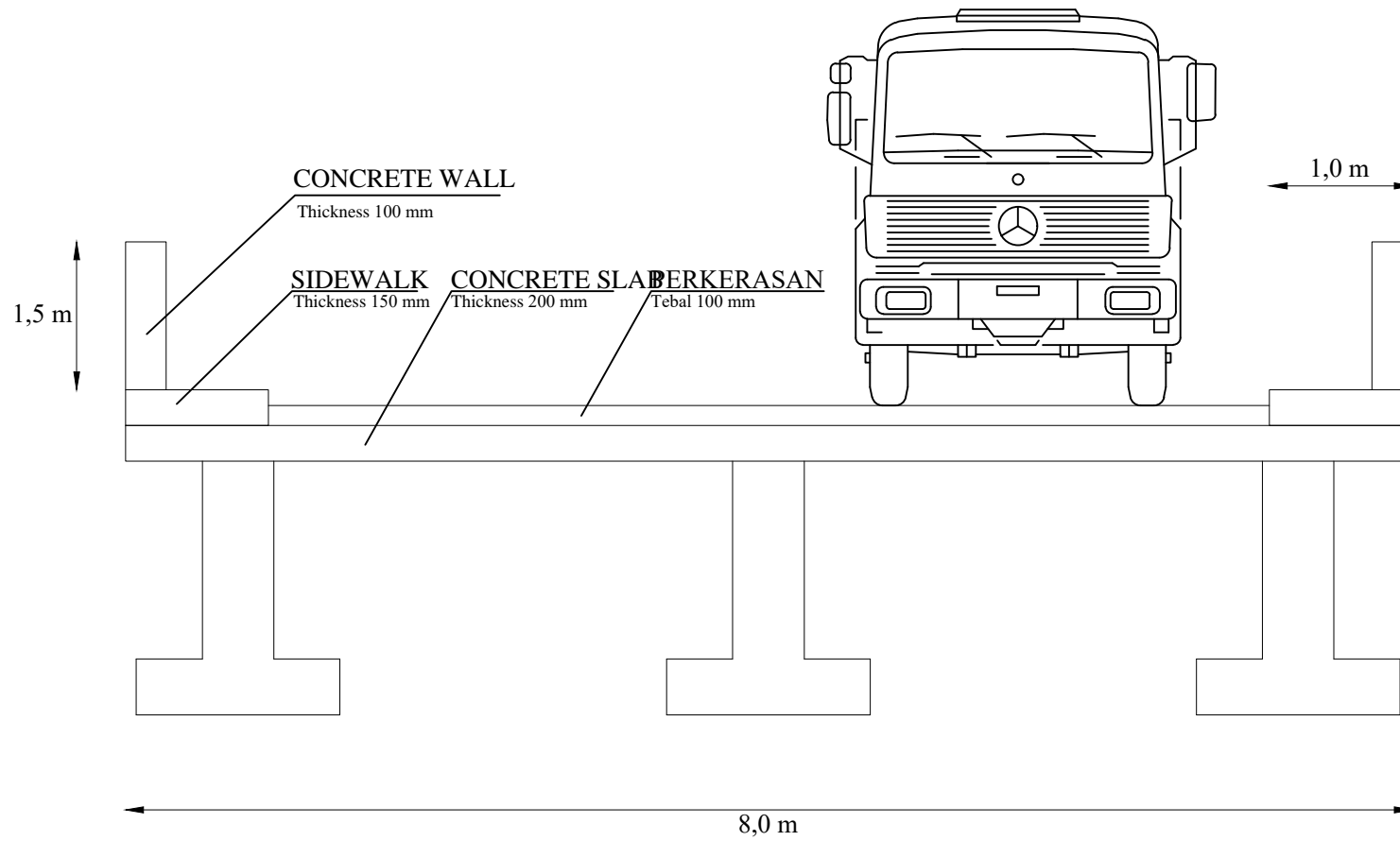


Figure 5.1 3D View of the Bridge

Command: Report Structure Calculation Results!





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BAB VI

STATIC TRUSS STRUCTURES DUE TO MOVING LOADS

A pratt-type truss bridge connecting region A and region B is planned. The structure of the bridge is defined as a truss..

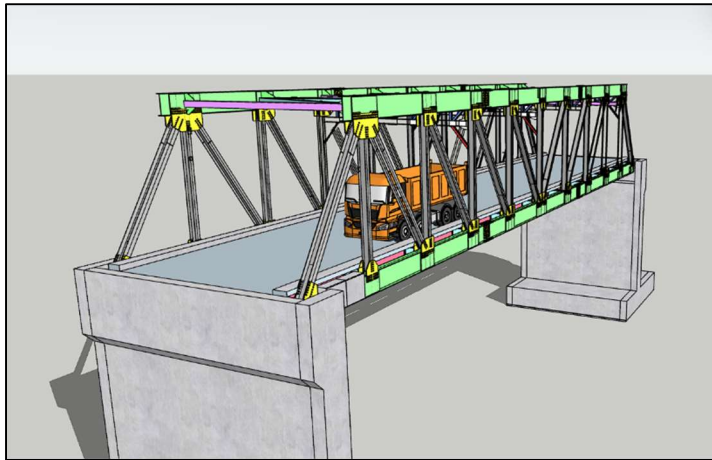


Figure 4.1 3D View of Pratt Truss Bridge

Command: Report Structure Calculation Results!

