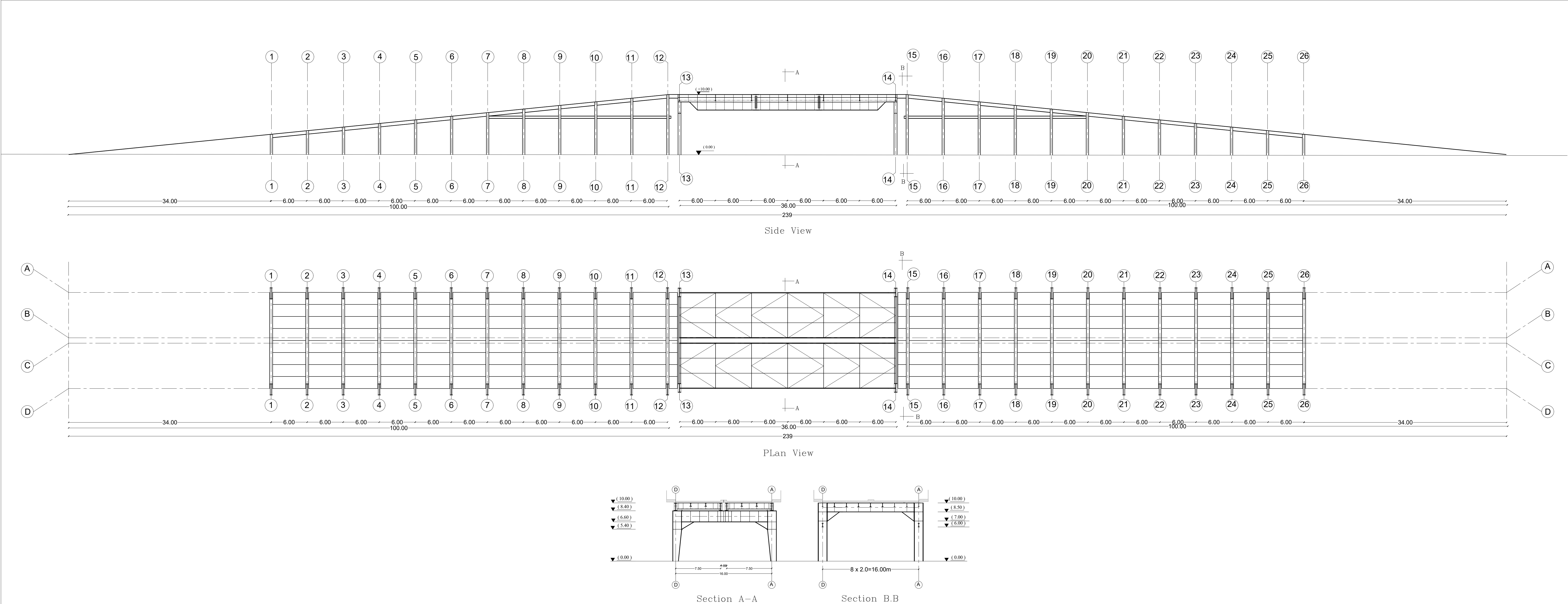


System 2: Use 4 Main Frames



System 1 : Use 4 MG Resting on 2 portal Frames

- GENERAL NOTES
- 1) ALL DIM. AND AXES MUST BE CHECKED WITH ARCH DRAWINGS.
 - 2) ALL DIMENSIONS ARE IN meter UNLESS INDICATED OTHERWISE.
 - 3) STEEL USED ARE STRUCTURAL STEEL S275 with $F_u = 5.2 \text{ t/cm}^2$ and $F_y = 3.6 \text{ t/cm}^2$.
 - 4) ALL DWGS. MUST BE REVISED BY THE EQUIPMENT SUPPLIER
 - 5) STRUCTURAL DESIGN FOR STEEL BUILDINGS IS IN ACCORDANCE WITH THE WORKING STRESS METHOD AS PER EGYPTIAN CODE OF PRACTICE FOR STEEL CONSTRUCTIONS AND BRIDGES.
 - 6) ALL STEEL ELEMENTS MUST BE BLASTED WITH SAND BEFORE PAINTING
 - 7) ALL STEEL ELEMENTS MUST BE PAINTED WITH TWO COATS OF PRIMER FOLLOWED BY TWO COATS OF FINAL PAINT WITH REQUIRED COLOR
 - 8) IN CASE OF ANY PROBLEMS KINDLY REFER TO THE DESIGNER



PHAROS UNIVERSITY
FACULTY OF ENGINEERING
CONSTRUCTION ENG. & MANAGEMENT Department

STEEL PROJECT
(2022-2023)
ROADWAY STEEL BRIDGE
PREPARED BY/
AHMED YASSER
MAHMOUD GAMAL
MOHAMED ABDALLAH
DRAWING TITLE GENERAL LAYOUT
DRAWING NO. 1 SCALE 1:270

Supervised BY/
Prof. Dr. Mohamed El- Ghandour
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