

Experiment 6: Preparing Plan, Elevation, and Section of a RCC Frame Structure Building

Objective:

To create plan, elevation, and section drawings for a simple RCC (reinforced concrete) frame structure.

Software/Tools Required:

- AutoCAD
- Laptop/PC

Theory:

Provide theoretical background relevant to the task, including commands and standards.

Procedure:

1. Draw column grid on plan.
2. Indicate beams, slabs, and columns.
3. Show reinforcement in the section.
4. Annotate structural elements.
5. Highlight the difference in structural systems compared to load-bearing walls.
6. Save as “RCC_Frame_Structure.dwg”.

Results:

Attach a printout of the completed drawing here.

Conclusion:

Summarize the skills learned and their applications in civil engineering.