

Analysis Results for G+3 Residential Building

This file contains detailed analysis results from STAAD.Pro, including member forces, deflections, and drift calculations.

Model Information

- Structure Type: RCC Frame
- Number of Joints: 80
- Number of Members: 160
- Number of Load Cases: 10

Maximum Member Forces

Element	Max Moment (kNm)	Max Shear (kN)	Max Axial (kN)
Beams	145.2	78.5	-
Columns	50.3	35.2	1250

Maximum Displacements

Floor	X-Direction (mm)	Y-Direction (mm)	Z-Direction (mm)
Ground	2.5	0.8	2.3
First	4.7	1.5	4.8
Second	7.2	2.2	6.9
Third	8.5	3.0	8.2