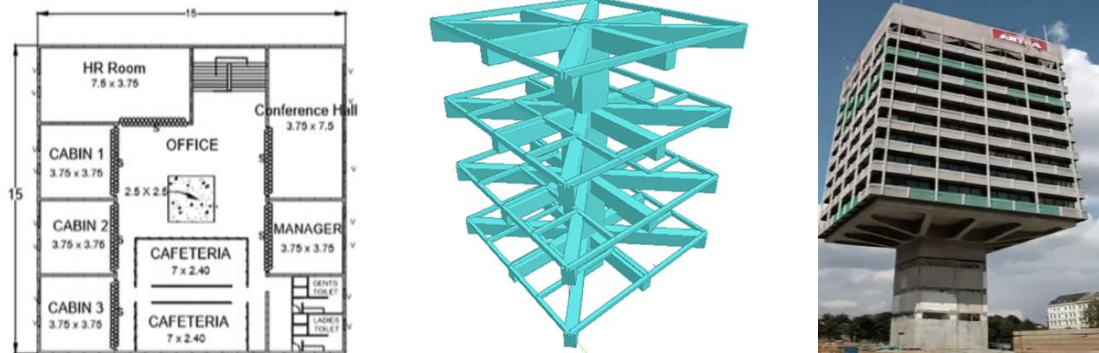




results of such an analysis typically include support reactions, stresses, and displacements. This information is then compared to criteria that indicate the conditions of failure. Advanced structural analysis may examine dynamic response, stability, and non-linear behavior



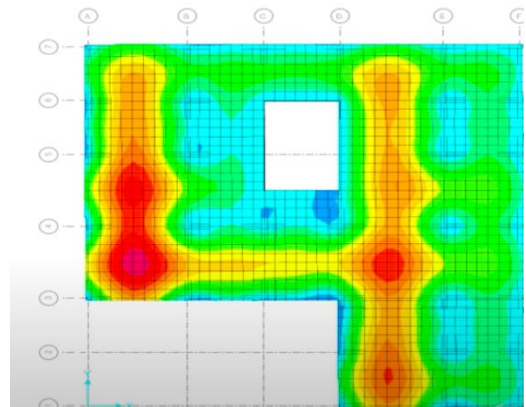
Building plan, 3D view of the structure (Staad.pro)

ETABS integrates every aspect of the engineering design process. Creation of models has never been easier intuitive drawing commands allow for the rapid generation of floor and elevation framing. CAD drawings can be converted directly into ETABS models or used as templates onto which ETABS have large and complex models to be rapidly analyzed and supports nonlinear modeling techniques such as construction sequencing and time effects (e.g., creep and shrinkage).



SAFE is the ultimate tool for designing concrete floor and foundation systems. From framing layout to detail drawing production, SAFE integrates every aspect of the engineering design process in one easy and intuitive environment. Slabs or foundations can be of any shape and can include edges shaped with circular and spline curves, mat footing, isolated

footing and combined footing easily able to design. Mats and foundations can include nonlinear uplift from the soil springs, and a nonlinear cracked analysis is available for slabs.



Mat foundation, Analysis of Mat in SAFE software (Output)

List of software's

1. Staad.Pro
2. ETABS 2019
3. AUTOCAD 2020
4. Midas
5. SAFE Footing
6. Staad Foundation
7. ArcGIS
8. MX Road
9. IIT Pave
10. Primavera, BIM