

Guwahati, Assam, India

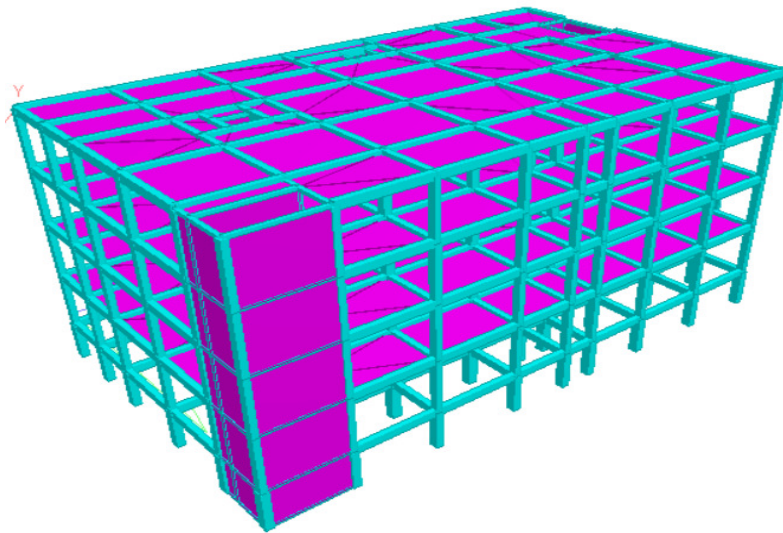
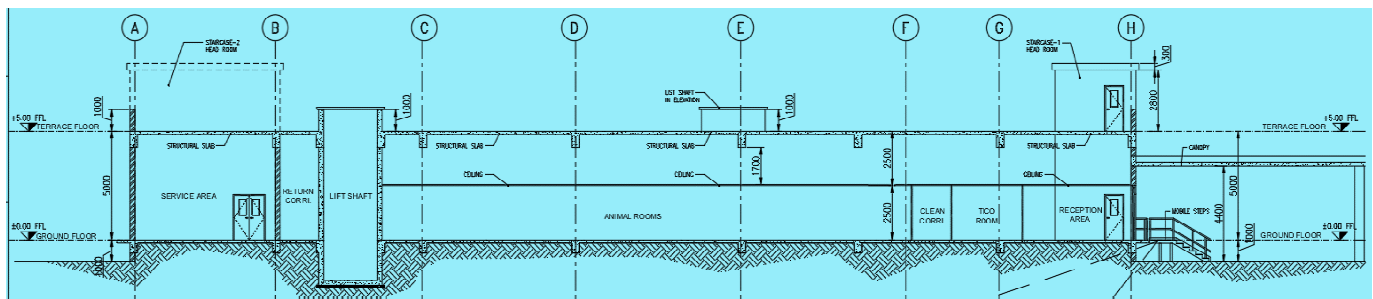
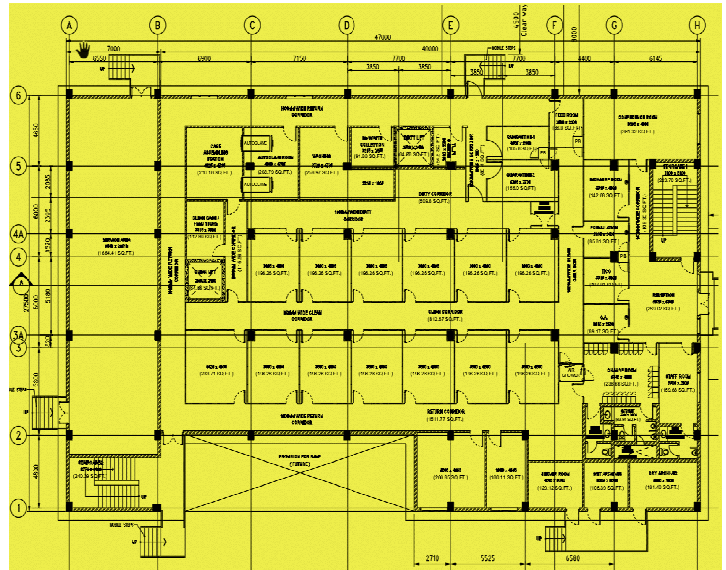
Animal House for NIPER at Guwahati, Assam



SIE scope includes Structural designs for the Animal House building.

Animal House provides quality Animals for research needs of Pharmaceutical Students. Architectural planning includes space planning for quarantine, animal maintenance, a lab for surgical operations, washing, technical areas, wet archive, Dry archive, Dirty corridor, Clean corridor etc.

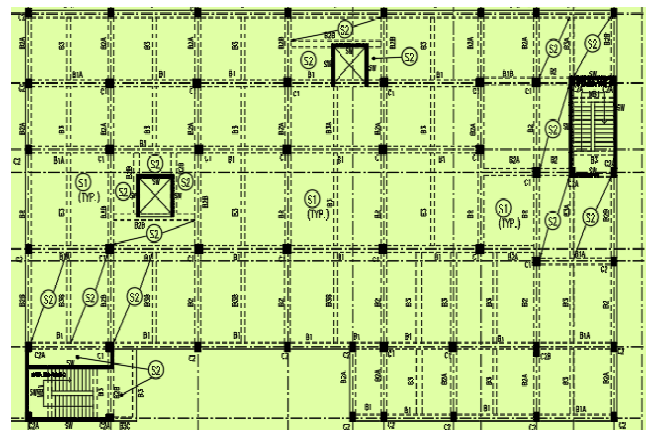
It is planned as G+ future-3 Floor RCC Structure with approximately 47m long with width of 27m. Height of single floor is 5.5m. Full height including future floors is 22m above plinth beam.



The project is located in seismic zone-5; very severe intensity. Hence ductile detailing to IS: 13920 is adopted and all links are bent to 135 degrees.

Since Column length is 5.5m it is checked from Slenderness considerations. Typical column sizes are 600x600.

Soil Report indicates low N values at Shallow depths. Hence Structure is founded at 3.5m depth from existing ground level with pad foundations such that it rests on weathered rock and avoids low N values.



Date: 2021

Client: EPIL/National Institute of
Pharmaceutical Education and Research
(NIPER) Guwahati

Type: RCC

Firm's Responsibilities: Structural Designs
and Drawings