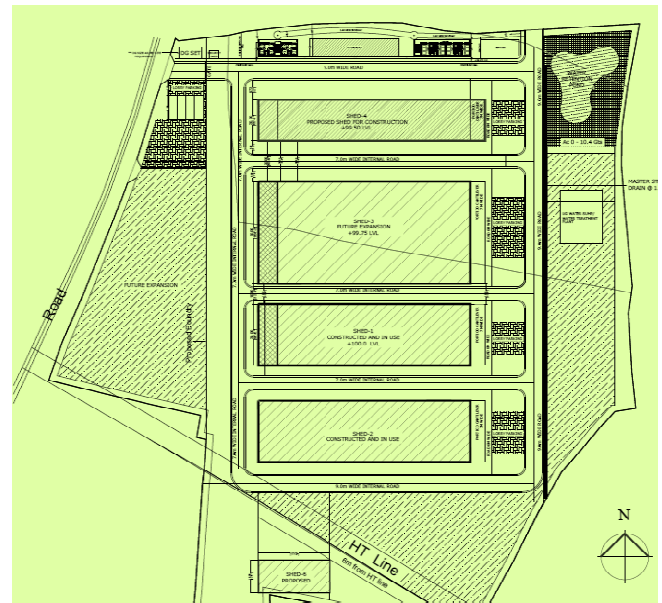
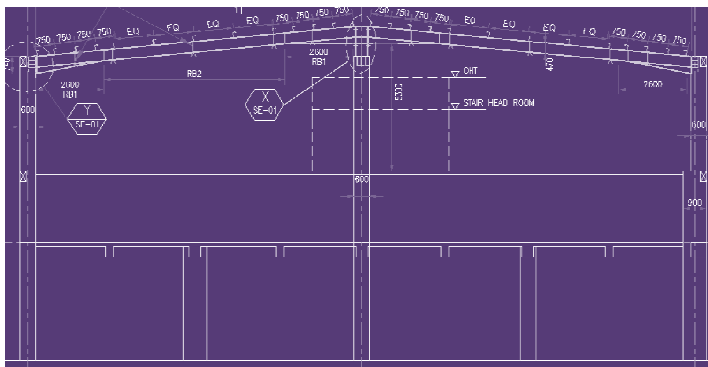


Proposed Samashti Food Factory Shed (4)

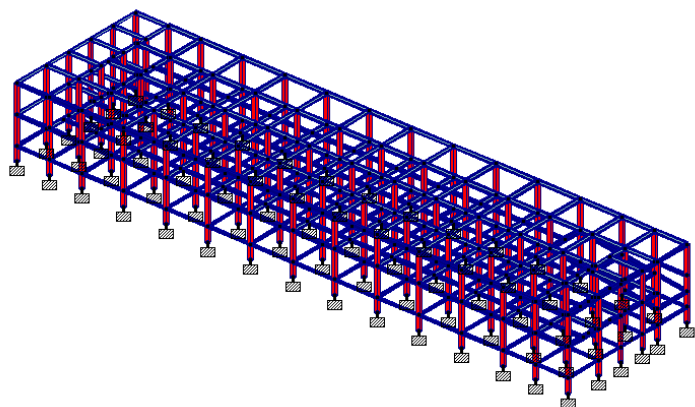
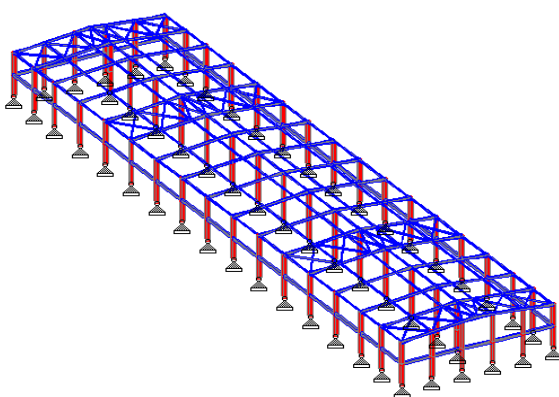


SIE scope includes comprehensive Structural designs and construction support for the proposed Food Factory which involve:

- Initially designed for 100m x 20m wide Factory, however during the construction, facility is expanded and redesigned to 100m x 26m by adding one more row of columns. Height of the facility is 12.5m.
- First floor slab is RCC where Ramp exists for storage of food products and hence this floor is designed for light weight vehicular loading of 10kPa.
- SBC of the Soil is considered 250KPa based on the Geotechnical report.
- Designed for Seismic Zone-2 and wind speed of 44m/sec.
- R.C Tie beams were provided around the peripheral of the structure at level approx 8m from the ground level. RCC of M25 Design mix and Reinforcement of Fe500 are adopted. Grade of Structural Steel is 250MPa.



- Roof is provided with metal sheet supported over Purlins and Rafters with slope of 1;10.
- Rafter of 190x470x20 with Haunch at Ridge and eaves is adopted.
- Roof is stabilized with Bracing members both in plan and elevation.
- Steel tie beams of size 250x250x10 are provide at roof level to impart robustness of structure.



Date: 2021 - 2023

Client: Samashti Foods Private limited .

Type: RCC & Steel.

Firm's Responsibilities: Structural Designs and Drawings

