

Visakhapatnam, Andhra Pradesh, India

Provision of Deficient In Living Accommodation for Sailors at Indian Naval Shipyard Circars

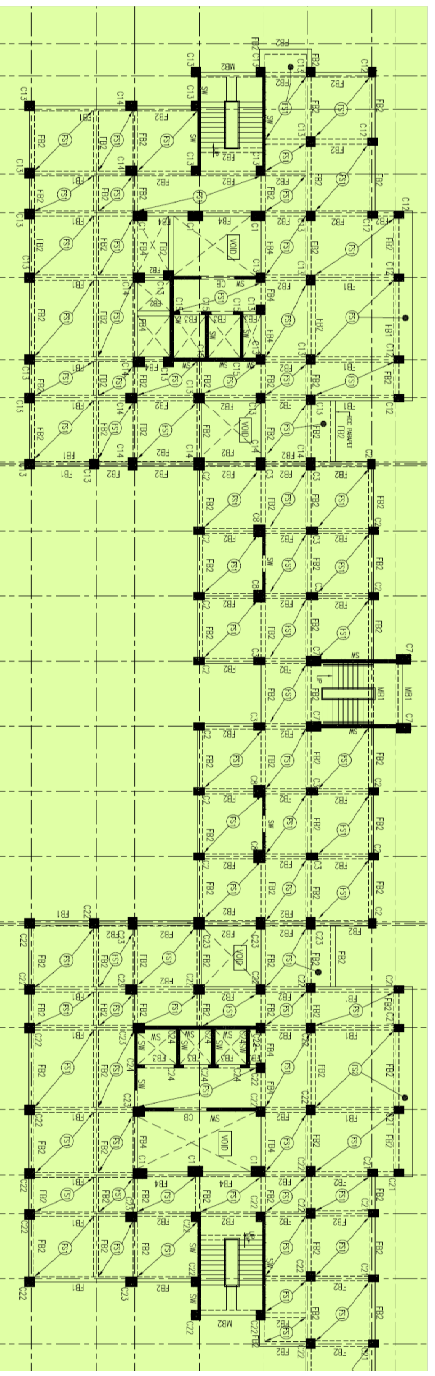
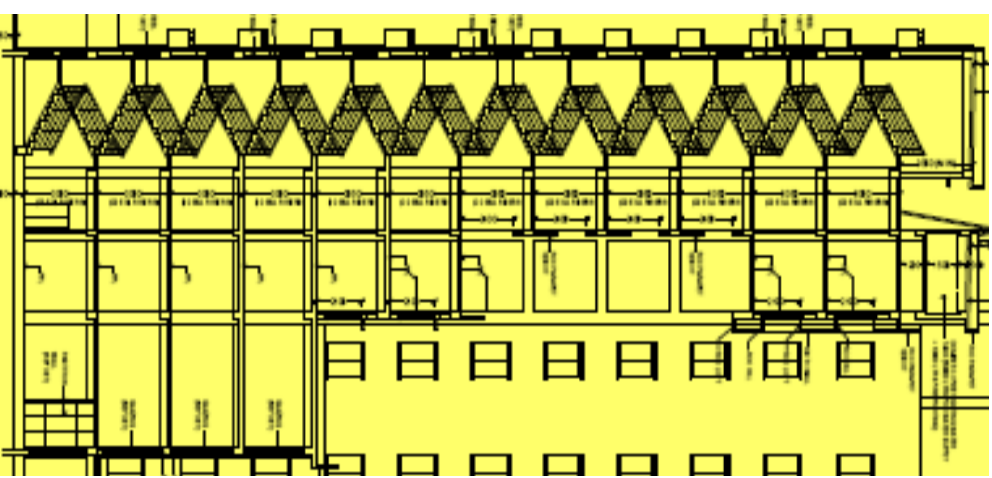
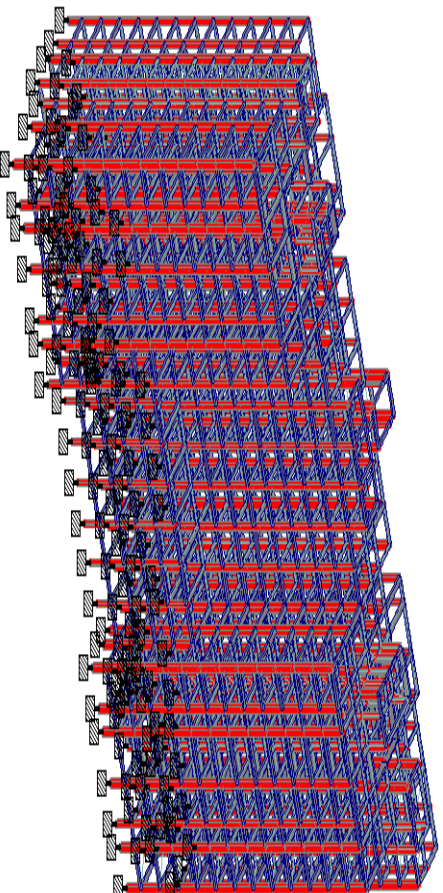


SLE scope includes Structural designs for the proposed G+11 Storey Accommodation building.

Facility consists of Parking, Kitchen, Laundry, Stores, Dining, Common and Study Rooms apart from Accommodation units for Sailors.

Building being 80m length, provision of movement joints is studied. Seismic Separation between the parts works out to 200mm. Since maintenance of such a wide joint is difficult and further affecting architecturally, movement joints are deleted.

Hence structure is analyzed as a single building duly accounting thermal stresses. Additional reinforcement is provided in floor beams and Slabs to resist the axial stresses due to thermal changes and cracking.



Date: 2019 - Ongoing

Client: C.E.(Navy) / M.E.S.

Type: RCC

Firm's Responsibilities: Structural Designs and Drawings

Shear walls are provided which helped in limiting overall building displacements under lateral loads. Also minimised the column & beam sizes /reinforcements.

Geo-Tech Report indicated loose/clay soils hence Piles of 450Ø, provided. In view of soft soils, Ground floor is also designed as suspended slab.