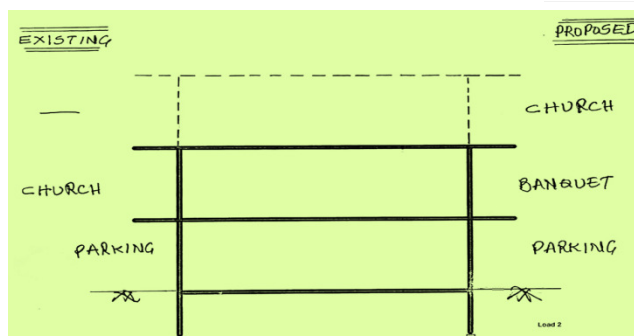
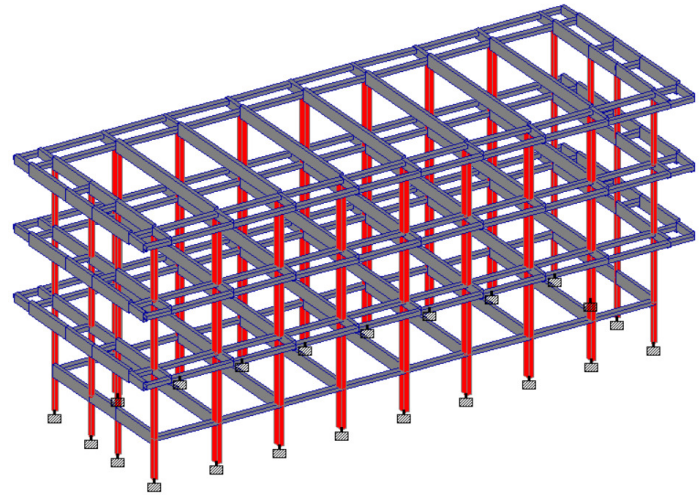
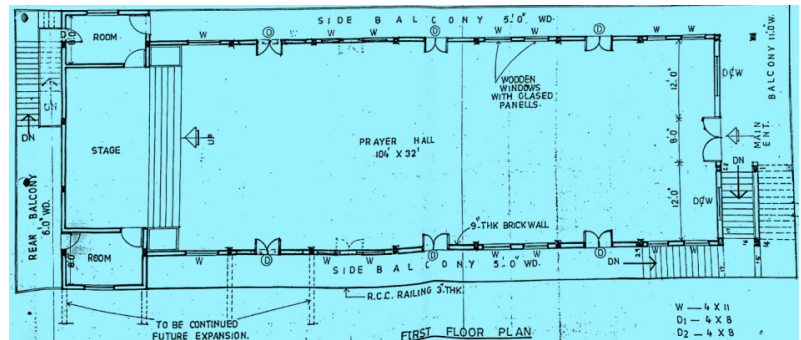




CSI Wesley Church requested SIE to check Structural Stability for the proposed additional floor & advice for strengthening of the existing structural elements if required.

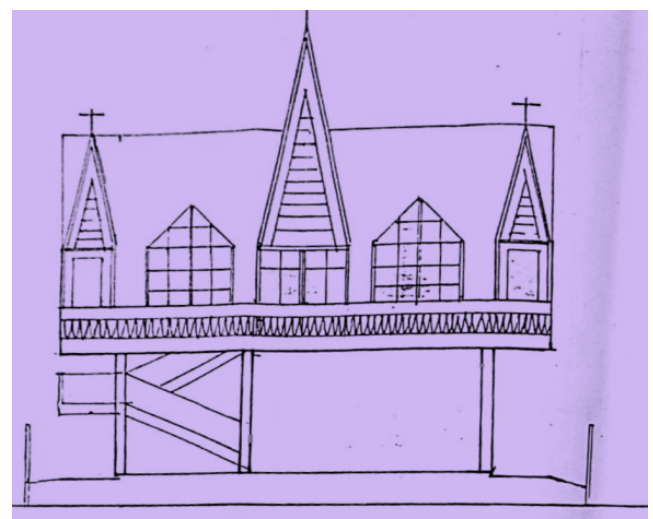
- Church Building is a Ground+ 1 Storey built around 2002 (twenty years ago). Basic Arch. Drawings and few Structural drawings are made available.
- Currently Ground floor is used for parking/meetings and 1st Floor is being used for Church prayer Hall. It is proposed to extend one more floor thereby Church prayer hall will be moved to 2nd Floor and 1st floor will be used for Banquet Hall.
- No Major alterations are done since constructed and no cracks are observed during the service of the structure.
- Structure has a clear span of 9.75m with main beams of 230x750mm and columns as 230x400mm.



Site check and inspection is done by SIE to verify that structure is built as per the provided drawings.

SIE carried out analysis with the available data duly modelling the existing structure along with proposed additional floor.

SIE provided recommendations to Client which include for the strengthening of existing main columns or an intermediate support columns in parking and Banquet Hall floors to distribute the loads.



Date: 2022

Client: C.S.I Weseley Church

Type: RCC

Firm's Responsibilities: Structural Stability Advice