formers base details.

9) Details of inserts to concrete, holding down bolts, plinths and up stands/down stands elements.

10) Loads considered in design of different floors, mechanical floors, transformer & LV room area, chillers and compressor areas, etc

d. Fire resistance rating for different structural members, reinforced concrete specifications for all exposure conditions, specifications of other concrete types if used, concrete grades of reinforcement, concrete cover to reinforcement, concrete protection. Materials information shall comply with QA & QC guidelines.

e. Design criteria of any other unconventional slab system, if applicable.

2. Column Axes plan Drawings:

Column/ walls axes plan showing the reduction in column/wall sizes. All columns/walls shall have grid markings. Grid lines in structural drawings shall match with architectural drawings.

3. Foundation Drawings:

Plot limit line is to be marked in the foundation plan. The Piled Raft / Raft foundations drawings shall contain general arrangement showing plan, sectional elevations with levels, Reinforcement plan showing top and bottom steel, extra top and extra bottom steel and any shear resisting reinforcement as per design requirements. Sections shall be drawn through lift pits, drain sumps and pour strips showing the arrangement of reinforcement. The foundation drawings shall also show starter bars for columns/walls as per design requirements. Arrangements and sections details of movement, settlement joints as well as water stoppers details to be provided, if applicable.

4. Floors Slab Drawings:

General arrangement showing the thicknesses of slabs, openings in slab and their sizes, floor levels etc are to be submitted. Reinforcement details are to be drawn in plan and as well as in typical sections. Extra top and bottom reinforcement and shear resisting steel shall be properly detailed. In case of Post Tensioned /Hollow Core Slabs, drawings shall be prepared by specialist consultants having the necessary valid Trade license. The specialist drawings shall be reviewed with the relevant calculation, signed and stamped prior to submission to CED. All specialist

documents shall be passed to CED under the lead consultant covering letter.

5. Beams reinforcement drawings:

Schedule for beam sizes and reinforcement with adequate sections are to be submitted. The amount and location of longitudinal reinforcement, stirrups, side bars, torsional bars as well as sectional details of the special beams, parapets, corbels, connections wherever is necessary to be provided.

6. Columns, Shear walls and Core walls:

General Arrangement drawings showing walls layout, thicknesses, elevations and openings are to be submitted. Detailed sectional plan and sectional elevations for lift and core walls showing the reinforcement in the walls, around openings, corner bars, spandrel beam details and wherever is necessary to be provided.

7. Floating columns/walls and transfer beams/slabs structures:

The sizes of floating elements along with their locations are to be marked in plan drawing. Sectional elevation showing the columns/walls below and above the transfer structure has to be drawn. The transfer structure sections shall include the reinforcement details of all members and connections and any special provisions may be required by the design or construction.

8. Staircases:

Detailed plan, sections and reinforcement drawings for staircase are to be submitted.

9. Swimming pools:

Detailed GA plan and sections for swimming pool indicating the levels and supporting arrangement including floating columns, if any. Adequate sections are to be drawn to show reinforcement in base slab, walls, deck slab, etc.

10. Non structural architectural features:

The architectural features constructed from concrete or any other materials shall meet all the relevant stability, durability and constructability requirements.

11. All the structural drawings shall have a standard title block containing the project name, the plot number, BU's name, client name, name of the