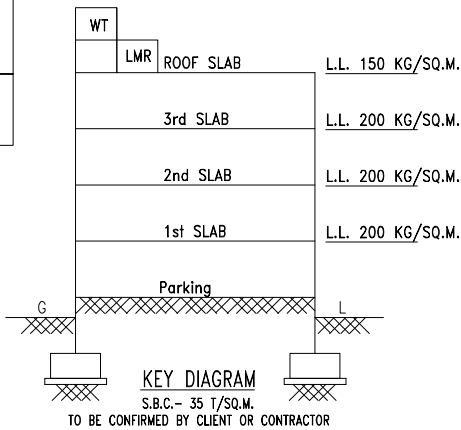


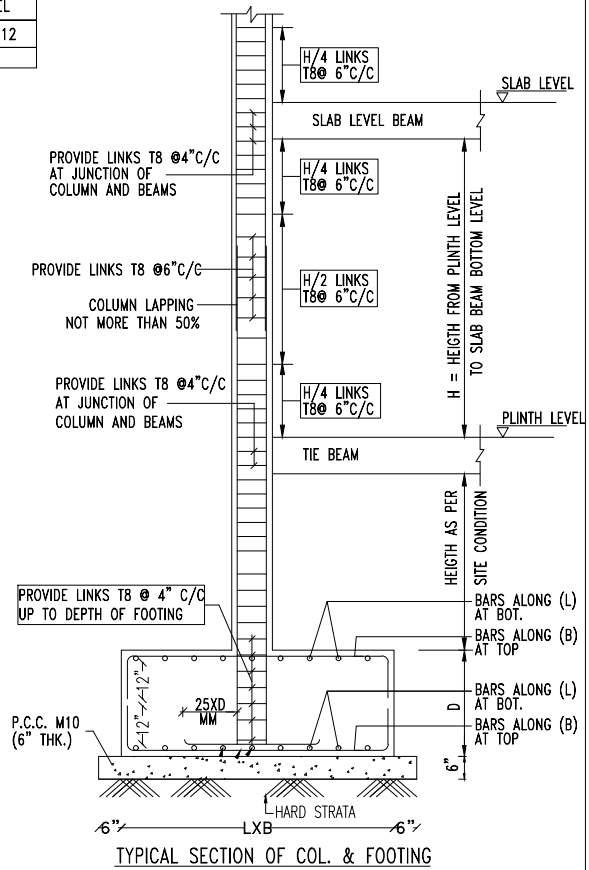
**SCHEDULE OF LIFT COLUMNS :-**

COLUMN NO.	FOOT/3 SLAB		3 SLAB/ROOF SLAB	
	SIZE	STEEL	SIZE	STEEL
LG 1,2,3,4	6"X18"	8 T 12	6"X15"	8 T 12
GRADE OF CONCRETE	M25		M20	



MIN. DEPTH OF EXCAVATION BELOW FIN. G.L. 6'0"

FLOOR DESIGNED FOR LIVE LOAD	500/200KG/M2
GRADE OF CONCRETE	M25
GRADE OF STEEL	Fe 500
ENV. EXPOSURE CONDITION	MODERATE



- NOTES**
- Basic reference code :- IS 456 - 2000
  - Deshuttering period shall not be less than specified below :
    - Vertical forces of column, beams, & wall - 24hrs
    - Slabs
      - Spanning upto 4.5m - 7 days
      - Spanning over 4.5m - 14 days
    - Beams
      - spanning upto 6.0m - 14 days
      - Spanning over 6.0m - 21days
  - Due care should be taken to ascertain that requisite strength of concrete is gained before commencement of deshuttering.
- | 4. Nominal covers               | Mild | Moderate | Severe |
|---------------------------------|------|----------|--------|
| I Footings                      | 50   | 50       | 50     |
| II Columns (to links of column) | 40   | 40       | 45     |
| III Slabs                       | 20   | 25       | 40     |
| IV Beams (to stirrups of beam)  | 20   | 30       | 45     |
| V Lift wall/shear wall          | 40   | 40       | 45     |
- In case of main reinf. diameter exceeds 12mm then cover for moderate and severe exposure condition should be increased by 5mm
- Beams having depth more than 750mm, provide sideface reinf. detailed below
    - For and upto 850mm depth :- provide T8 @ mid depth
    - For beams above 850mm depth :- provide T8 @ 1/3rd and 2/3rd

- All laps shall be staggered & not more than 50% bars to be lapped at any given section
- |                        | M20    | M25    | M30    | M35    |
|------------------------|--------|--------|--------|--------|
| columns, beams & slabs | 48 X D | 41 X D | 38 X D | 34 X D |
- Maximum allowable height of column without any bracer or tie
 

	I	II	III
230 wide	4000 mm		
200 wide		3400 mm	
150 wide			2600 mm
  - Notwithstanding these provisions all buildings shall have tie beams/plinth beams at g.l./plinth lv.
  - If footings overlap each other, necessary revision should be obtained from our office.
  - Substratum should be approved from our office before laying p.c.c.
  - Design is valid for no. of floors as indicated in schedule only
  - Minimum spacing between any two longitudinal bars in beam = 50mm
  - At any level where column size get reduced in either dimension tie beams /plinth beams are absolutely essential
  - For cantilever, top bars to be anchored behind for - 70 X dia of bars OR span of cantilevers - whichever is greater.
  - Fire rating considered:- 1Hour Max

- NOTES**
- Our responsibility shall remain limited to safe and sound structural design as transmitted by this drawing and we shall not remain responsible for
    - Safety of old structure during demolition
    - Safety of any adjoining building / persons staying in adjoining building /persons & properties on adjoining roads
    - Safety of construction worker / any personnel at work site during construction
    - Correctness / safety of any temporary structure, scaffolding, shuttering, centering erected @ site and any injury to any personnel arising out of their accidents
    - Accident occurring due to premature deshuttering faulty / substandard construction material or workmanship / faulty construction procedure

- Any accident occurring due to construction of elements of buildings not design by us material or workmanship / faulty construction procedure
- Supervision if specifically asked for will be provided to the extend of verification of reinforcement on site but responsibility regarding correct & sound construction shall solely rest with contractor / builder / owner
- All structural concrete should be weigh batched, machine mixed & mechanically vibrated
- Any discrepancy between our drawing & architects drawing shall be brought to our notice before construction

ADVANCE COPY FOR EXCAVATION ONLY