



INDEX PLAN FOR COLUMN & FOOTING

- ALL WALLS ON ALL UPPER FLOORS ARE CONSIDERED OF CONVENTIONAL MATERIAL WITH MAXIMUM DENSITY 1800 kg/m³
- PARTITION WALL LOAD CONSIDERED ON RESP.SLABS.
- OUTER WALL THICKNESS IS 150MM & INNER 100 MM THK CONSIDERED

NOTE:-

- 1) CLIENT IS FULLY RESPONSIBLE FOR SBC OF SOIL.
- 2) NO PROVISIONAL FLOOR IS CONSIDERED.

TERRACE FLOOR (200KG/SQM)
GROUND FLOOR (200KG/SQM)
PLINTH LEVEL
SCHEMATIC SECTION

NOTES:				
1. Basic reference code:- IS 456: 2000				
2. Due care shall be taken to ascertain that requisite strength of concrete is gained before commencement of deshuttering. It shall comply with provisions of Clause No. 11.3 of IS 456: 2000.				
3. Nominal covers				
I	Footings	50	50	50
II	Columns & walls >200mm width (to links of column)	40	40	45
III	Columns & walls with width of 200mm & below Having reinf. of dia. 16mm & above. (to links of column)	40	40	45
IV	Columns & walls with width of 200mm & below Having reinf. of dia. 12mm. (to links of column)	25	30	45
V	Slabs	20	30	45
VI	Beams (to stirrups of beam)	20	30	45
VII	Lift walls	40	40	45
For main reinf. up to 12mm dia. bar for mild exposure the nominal cover may be reduced by 5mm for slabs & beams only.				
4. Beams with depth more than 750mm, provide side-face reinforcement.				
5. Substratum shall be approved from our office before laying P.C.C.				
6. Minimum clear spacing between any two longitudinal bars in beam= 50mm.				
7. All laps (Ld) shall be staggered & not more than 50% bars to be lapped at any given section.				
GRADE OF REINF. M20 M20 M30 M35 M40 & ABOVE				
Fe415	48 X D	41 X D	38 X D	34 X D
Fe500 (TMT)	57 X D	49 X D	46 X D	40 X D
36 X D				
For bundled bars, Ld shall be increased by 10% for 2 bars in contact, 20% for 3 bars in contact and 33% for 4 bars in contact.				
8. All buildings shall have tie beams/plinth beams at ground/plinth level.				
9. If footings overlap with each other, necessary revision shall be obtained from our office.				
10. Design is valid for number of floors as indicated in the drawing.				
11. At any level where column size gets reduced in either dimension tie beams/plinth beams are essential.				
12. For cantilevers, top bars to be anchored behind from external face of support for - Ld or span of cantilever - whichever is greater.				
13. Fire rating considered:- 1 Hour max.				

Use of this drawing for construction shall explicitly confirm acceptance of following conditions by Owner / Builder / Contractor

1. Our responsibility shall remain limited to safe and sound structural design as transmitted by this drawing and we shall not remain responsible for
 - a) Safety of old structure during demolition.
 - b) Safety of any adjacent building / person staying in adjoining building/persons
 - c) Safety of workers on adjoining property.
 - d) Correctness/safety of any temporary structure, scaffolding, shoring, centering erected at site and any injury to any personnel arising out of such accidents.
 - e) Accidents occurring due to poor workmanship/despatching, faulty / substandard construction material or workmanship or faulty construction procedure.
 - f) Any accident occurring due to construction of elements of buildings not designed by us.
2. Supervision if specifically asked for will be provided to the extent of verification of reinforcement on site but responsibility regarding correct & sound construction shall solely rest with contractor/ builder / owner.
3. All structural concrete should be weigh batched, machine mixed and mechanically vibrated.
4. Any discrepancy between our drawing & Architects' drawing shall be brought to our notice before construction.

NO.	REV. DATE	DESCRIPTION	NO.	REV. DATE	DESCRIPTION
R0	10.04.2021	.	R5		.
R1			R6		.
R2			R7		.
R3			R8		.
R4			R9		.

DRAWING IS VALID FOR CONSTRUCTION, PROVIDED IT IS SIGNED & STAMPED BY OUR OFFICE

GRADE OF CONCRETE:-	FOR FOOTING M20	FOR COLUMN M20	GOOD FOR CONSTRUCTION
GRADE OF STEEL:-	Fe500 TMT		
ENVIRONMENTAL EXPOSURE CONDITION:-	MILD		
S.B.C. :-	35T/SQM		

CHECKED BY	DEALT BY	DRAWN BY	DRG. NO.	BLDG.	JOB NO.
DEVELOPER:-					
ARCHITECT:-					
PROJECT:-					
TITLE:- INDEX PLAN FOR FOR RCC COLUMN FOOTING					