



INDEX PLAN FOR RCC COLUMN AND FOOTING

Terrace

Provision

2nd 200 kg/sqm

1st 200 kg/sqm

Ground Floor

KEY SECTION
OF BUILDING

NOTE:- RCC COLUMN AND FOOTING DESIGN IS
IS VALID FOR GROUND +3 FLOOR

(REFERENCE NOTES FROM IS 456: 2000)

A3/1/2

1. ALL DIMENSIONS ARE IN 'mm' AND ALL LEVELS TO BE REFERRED FROM ARCHITECTURAL DRAWINGS.

2. CENTER LINE PLAN SHOULD BE CHECKED BY THE ARCH. REFER ARCHITECT'S DRAWING FOR ALL OTHER DETAILS & DIMENSIONS.

NOMINAL COVERS	EXPOSURE CONDITION	Mild	Moderate
I. FOOTINGS		50	50
II. COLUMNS & WALLS (TO LINKS OF COLUMN)		40	40
III. SLABS		20	30
IV. BEAMS (TO STIRRUPS OF BEAM)		20	30

4. LAPPING OF REINFORCEMENT:-
DEVELOPMENT LENGTH (Ld)

GRADE OF REINF.	M20	M25	M30	M35	M40 & ABOVE
Fe415	48 X D	41 X D	38 X D	34 X D	30 X D
Fe500 (TMT)	57 X D	49 X D	46 X D	40 X D	36 X D

5. REFER STANDARD DRAWING'S FOR LAP LOCATIONS TO BARS IN BEAMS AND COLUMNS.

6. IF UNAVOIDABLE, REINF. LAPS FOR BEAMS AND SLABS SHALL BE STAGGERED WITH NOT MORE THAN 50% OF THE BARS SPECIFIED AT A SECTION.

7. FOR CANTILEVERS (SLAB or BEAM), TOP BARS TO BE ANCHORED BEHIND FOR 75xDIA OR SPAN WHICHEVER IS GREATER.

8. LINKS IN COLUMN AT COLUMN-BEAM JUNCTION ARE NECESSARY.

9. WHENEVER THE DIMENTION OF COLUMN GETS REDUCED, THE BEAM OR PLINTH BEAM IS NECESSARY IN THE SAME DIRECTION.

10. FIRE RATING CONSIDERED:- 1 Hour Maximum

11. ALL STRUCTURAL CONCRETE SHOULD BE WEIGH BATCHED, MACHINE MIXED & MECHANICALLY VIBRATED.

12. MINIMUM PERIOD FOR REMOVAL OF FORMWORK,

VERTICAL FROMWORK TO COLUMN WALLS	18 HOURS.
SOFFIT OF SLAB (UP TO 4.5 M.SPAN)	7 DAYS.
SOFFIT OF SLAB (OVER 4.5 M. SPAN)	14 DAYS.
BEAM BOTTOM (UP TO 6.0 M.SPAN)	14 DAYS.
BEAM BOTTOMS (OVER 6.0 M.SPAN)	21 DAYS.

IF PROPS TO BE REFIXED IMMEDIATELY AFTER REMOVAL OF FORM WARK,

SOFFIT OF SLAB	3 DAYS.
BEAM BOTTOM	7 DAYS.

NOTES:-

ONLY THE DRAWINGS WITH THE STAMP/SEAL AND SIGN OF SHOULD BE CONSIDERED AS AUTHENTIC G.F.C DRAWINGS.

AFTER UNDERSTANDING THE ABOVE NOTES, DETAILS THE LICENSED SUPERVISING ENGINEER AND CONTRACTOR SHALL COMPLY WITH THE SAME, BEFORE CONCRETING. THEY ARE ALSO RESPONSIBLE FOR THE FULL SAFETY OF SHUTTERING, CENTERING PROPS, CONCRETING, EXECUTION, SUPERVISION, WORKMANSHIP, QUALITY OF MATERIAL AND OTHER CONSTRUCTION PROCEDURES.

RESPONSIBILITY REGARDING CORRECT & SOUND CONSTRUCTION. SHUTTERING SHALL SOLELY REST WITH CONTRACTOR/ OWNER. FOLLOWING GUIDELINE MAY BE USED FOR STRIPPING OF FORMS IN NORMAL CIRCUMSTANCES.

WE SHALL NOT BE RESPONSIBLE AGAINST ANY ACCIDENTS AND FAILURES BECAUSE OF DEFECTIVE SHUTTERING, DEFECTIVE CONSTRUCTION PROCEDURE, ANY ADDITION AND / OR ALTERATION OR ANY DAMAGE TO THE STRUCTURAL FRAME WHICH IS CAUSED BY ACCIDENT ON SITE OR BY TAMPERING WITH THE GEOMETRICAL SECTIONS OF STRUCTURAL MEMBERS FOR ANY PURPOSE WHATSOEVER OR DUE TO OVERLOADING OF THE STRUCTURE OR LACK OF MAINTENANCE.

DESIGN CONSIDERATIONS:

DESIGN VALID ONLY FOR:- GROUND + 3 FLOOR ONLY

SAFE BEARING CAPACITY OF SOIL:- TO BE CONFIRM
STRATA SHOULD BE CONFIRMED AS PER SOIL INVESTIGATION REPORT

GRADE OF CONCRETE:- M25

GRADE OF STEEL Fe 500

EXPOSURE CONDITION:- MILD

DESIGNED LIVE LOAD:- 3 Kn/sq.m

NO. REV.	DATE	DRAWN BY	CHECKED BY	DESCRIPTION OF THE REVISIONS
R0	29.11.20	M.M.	M.M.	ADVANCE COPY FOR APPROVAL

PURPOSE OF RELEASE

ADVANCE COPY FOR TENDERING PURPOSE

NAME OF CLIENT/OWNER/DEVELOPER:

MR.MANOJ PRAKASH SATHE

NAME OF PROJECT:

Proposed Residential building @S.No - 38/2(2/P), Plot No-31, Village - Kharadi, Pune-411014

PROJECT ARCHITECT:

AR. D R GAWADE

DRAWING TITLE:

INDEX PLAN FOR RCC COLUMN LOCATION AND SIZE

DRAWN BY:	V.S	DESIGNED BY:	M.M
CHECKED BY:	M.M.	DATE:	29.11.2020

DRAWING NO & REVISION: 2020/10/RC-COL/R0



M.N.Mohite & Associates

Office No.117, 1st Foor,G Building,
Jay Ganesh Samrajiya, Pune Nashik raod,
Bhosari,Pune.411039.
Office:9850286383
Email : sthapatyaengineers@gmail.com