

(REFERENCE NOTES FROM IS 456: 2000)

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.

3. 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 (l_d)

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 DRAWINGS 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, TIE 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 FORMWORK 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:- 35 t/m²

STRATA SHOULD BE CONFIRMED AS PER SOIL INVESTIGATION REPORT

GRADE OF CONCRETE:- M25

GRADE OF STEEL Fe 500

EXPOSURE CONDITION:- MILD

DESIGNED LIVE LOAD:- 2 Kn/sq.m

NO. REV.	DATE	DRAWN BY	CHECKED BY	DESCRIPTION OF THE REVISIONS
R0	16.05.21	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/P), Plot No-31, Village - Kharadi, Pune-411014

PROJECT ARCHITECT:

AR.DHARAMPAL GAWADE

DRAWING TITLE:

INDEX PLAN FOR RCC THIRD FLOOR SLAB AND BEAM

DRAWN BY: V.S. DESIGNED BY: M.M.

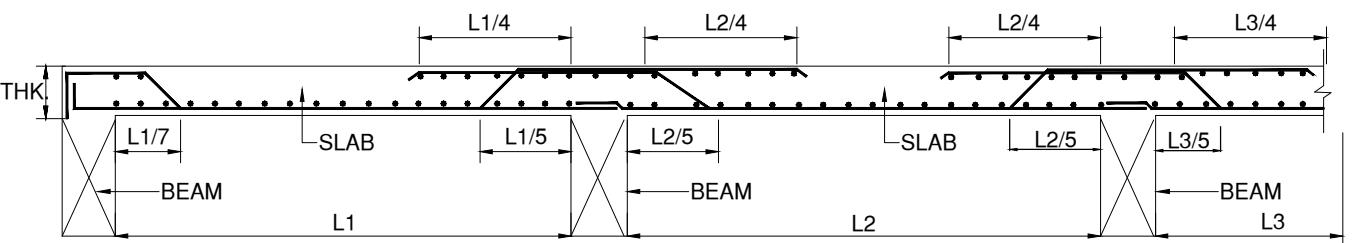
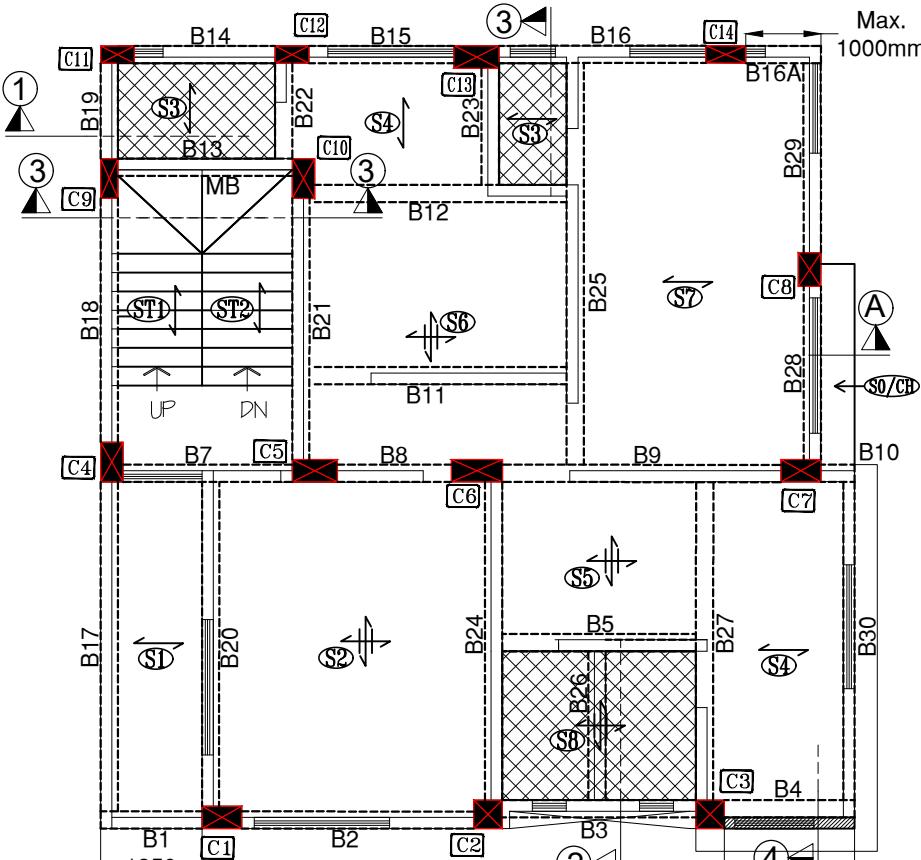
CHECKED BY: M.M. DATE: 16.05.2021

DRAWING NO & REVISION: 2020/10/RC-TFS&B/R0

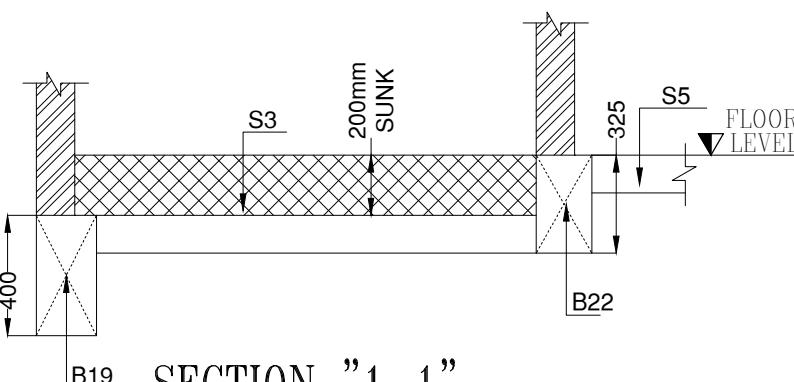
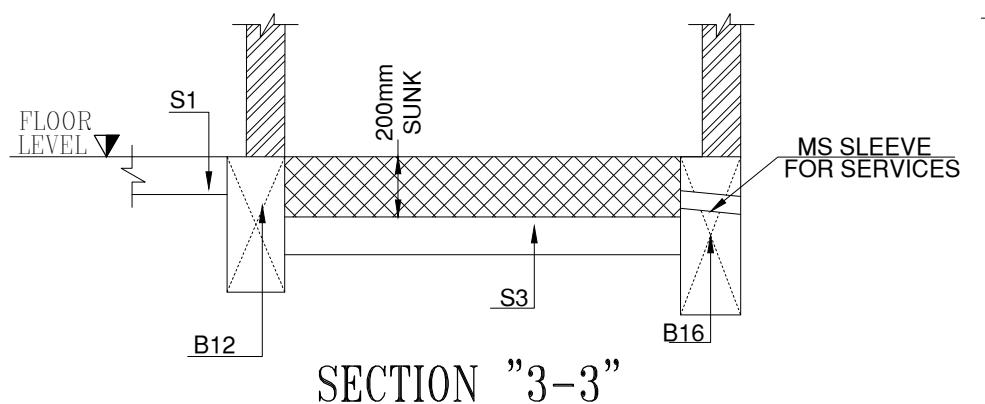
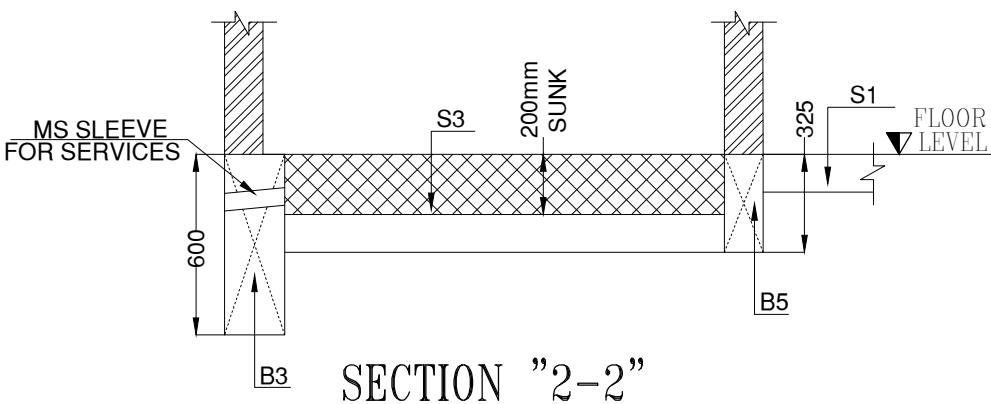
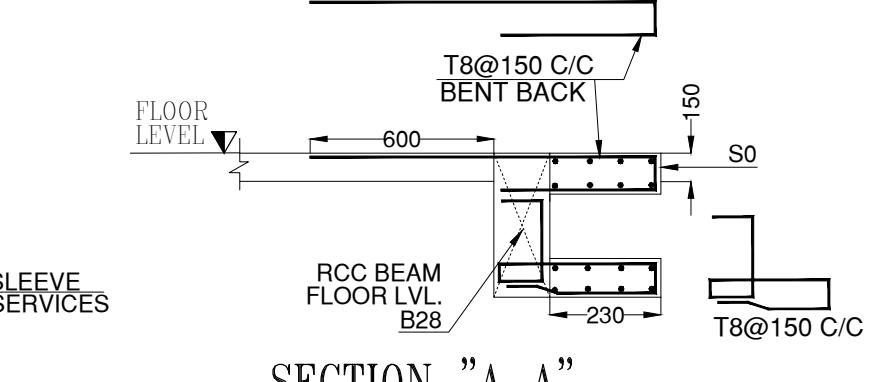
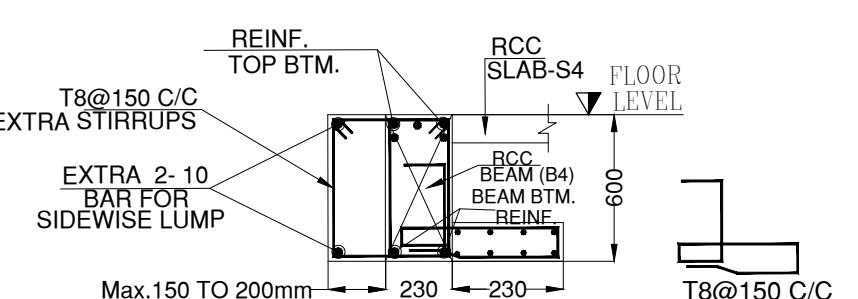
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R.C.C. SLABS SCHEDULE

TYPE	THICKNESS	STEEL ALONG SPAN ↗	STEEL ACROSS SPAN ↘	REMARKS
ST1,ST2	165	T10 @ 100 C/C ALT BENT UP	T8 @ 200 C/C DIST.	SCISSOR JOINT @ RESP UPPER LANDING
AST1	175	T12 @ 115 C/C ALT BENT UP	T8 @ 200 C/C DIST.	SCISSOR JOINT @ RESP UPPER LANDING
S1	125	T8 @ 165 C/C ALL STR	T8 @ 200 C/C DIST.	ONE WAY SLAB
S2	125	T8 @ 150 C/C ALT BENT UP	T8 @ 175 C/C ALT BENT UP	TWO WAY SLAB
S3	125	T8 @ 100 C/C ALL STR.	T8 @ 200 C/C DIST.	ONE WAY SLAB SUNK BY 200mm
S4	125	T8 @ 165 C/C ALT BENT UP	T8 @ 200 C/C DIST.	ONE WAY SLAB
S5	125	T8 @ 165 C/C ALT BENT UP	T8 @ 175 C/C ALT BENT UP	TWO WAY SLAB
S6	125	T8 @ 150 C/C ALT BENT UP	T8 @ 150 C/C ALT BENT UP	TWO WAY SLAB
S7	125	T8 @ 150 C/C ALT BENT UP	T8 @ 200 C/C DIST.	ONE WAY SLAB
S8	150	T10 @ 150 C/C ALT BENT UP	T10 @ 175 C/C ALT BENT UP	TWO WAY SLAB SUNK BY 200mm
S0	125	T8 @ 150 @ TOP, EVERY ALT BAR BENT BACK ALONG BTM	T8 @ 150 C/C DIST.	CANTILEVER SLAB @ FLOOR LEVEL
CH	125	T8 @ 150 @ TOP, EVERY ALT BAR BENT BACK ALONG BTM	T8 @ 150 C/C DIST.	CANTILEVER SLAB @ BEAM BTM. LEVEL

**TYPICAL DETAILS OF CONVENTIONAL SLAB UNLESS SPECIFIED****INDEX PLAN FOR RCC THIRD FLOOR SLAB & BEAM**

LEGEND :- - 150mm SUNK - SIDEWISE LUMP

**SECTION "1-1"****SECTION "3-3"****SECTION "2-2"****SECTION "A-A"****TYPICAL DETAILS OF SIDEWISE LUMP SECTION "4-4"**