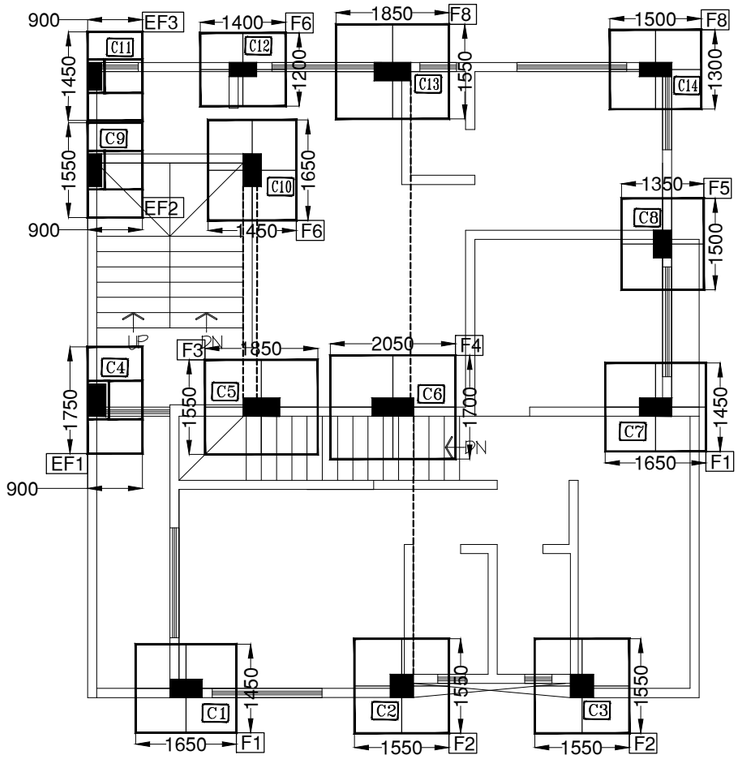
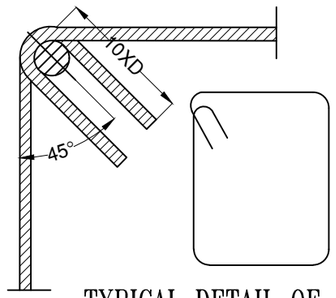
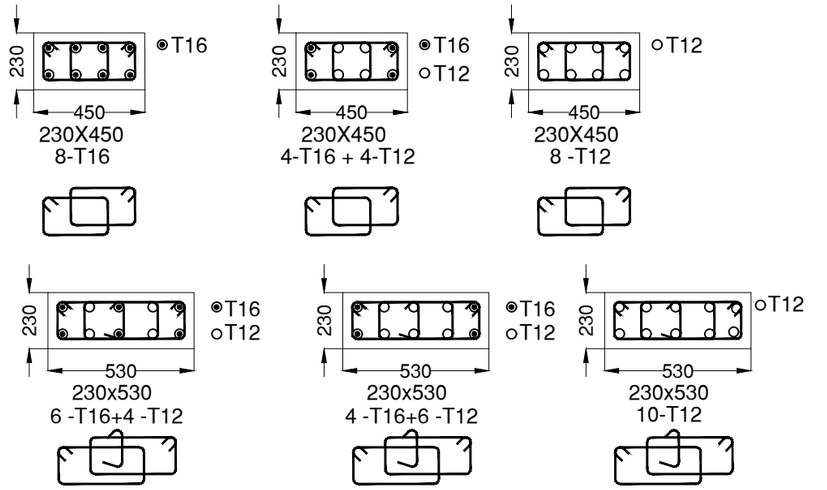


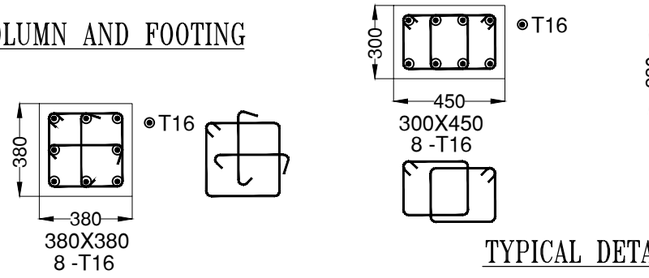
INDEX PLAN FOR RCC COLUMN AND FOOTING



TYPICAL DETAIL OF ANCHORING ENDS OF LINKS/TIES

T8 LINK FOR COLUMN MAIN BAR DIAMETER UP TO 20mm
(PROVIDE MASTER LINK- 600C/C)





TYPICAL DETAIL OF COLUMN LINKS

COLUMN SCHEDULE(BOX FOOTING)

COLUMN LINKS		T8@100/150/100								
2nd SLAB LEVEL TO THIRD SLAB LEVEL	M25	230X530	380X380	230X600	300X680	230X450	230X530	230X450	300X600	230X450
	Fe500	6 -T16 4 -T12	4 -T16 4 -T12	8 -T16 4 -T12	8 -T16 6 -T12	4 -T16 4 -T12	6 -T16 4 -T12	8 -T12	8 -T16 4 -T12	8 -T12
1st SLAB LEVEL TO SECOND SLAB LEVEL	M25	230X530	380X380	230X600	300X680	230X450	230X530	230X450	300X600	230X530
	Fe500	10 -T16	8 -T16	12 -T16	14 -T16	8 -T16	10 -T16	4 -T16 4 -T12	12 -T16	10 -T12
GROUND LEVEL TO 1st SLAB LEVEL	M30	300X530	380X380	300X600	300X680	300X450	300X530	300X450	300X600	230X530
	Fe500	10 -T16	8 -T16	12 -T16	14 -T16	8 -T16	10 -T16	4 -T16 4 -T12	12 -T16	6 -T16 4 -T12
FOOTING TO GROUND LEVEL	M30	300X530	380X380	300X600	300X680	300X450	300X530	300X450	300X600	230X530
	Fe500	10 -T16	8 -T16	12 -T16	14 -T16	8 -T16	10 -T16	4 -T16 4 -T12	12 -T16	6 -T16 4 -T12
COLUMN NOS.		C1,C7	C2,C3	C5	C6	C8	C10	C12	C13	C14
FOOTING TYPE		F1 ,2	F2 ,2	F3 ,1	F4 ,1	F5 ,1	F6 ,1	F7 ,1	F8 ,1	F9 ,1
P.C.C.(1.3.6) 100mm OR AS REQD.		1650X1850	1750X1750	1750X2050	1900X2250	1550X1700	1650X1850	1400X1600	1750X2050	1500X1700
S.B.C. 350 KN/m2	RCC SIZE (L X B)	1450X1650	1550X1550	1550X1850	1700X2050	1350X1500	1450X1650	1200X1400	1550X1850	1300X1500
D R.C.C. FOOTING	D	450	450	530	600	450	450	450	530	450
	STEELAT BOTHWAY	T10 @ 125 C/C BOTH WAY	T10 @ 125 C/C BOTH WAY	T10 @ 100 C/C BOTH WAY	T10 @ 100 C/C BOTH WAY	T8 @ 100 C/C BOTH WAY	T10 @ 125 C/C BOTH WAY	T8 @ 100 C/C BOTH WAY	T10 @ 100 C/C BOTH WAY	T8 @ 100 C/C BOTH WAY

COLUMN SCHEDULE(ECCENTRIC FOOTING)

COLUMN LINKS		T8@100/150/100		
2nd SLAB LEVEL TO THIRD SLAB LEVEL	M25	230X530	230X530	230X450
	Fe500	6 -T16 4 -T12	4 -T16 4 -T12	8 -T12
1st SLAB LEVEL TO 2nd SLAB LEVEL	M25	230X530	230X530	230X450
	Fe500	10 -T16	6 -T16 4 -T12	4 -T16 4 -T12
GROUND LEVEL TO 1st SLAB LEVEL	M25	300X530	230X530	230X450
	Fe500	10 -T16	10 -T16	4 -T16 4 -T12
FOOTING TO GROUND LEVEL	M25	300X530	230X530	230X450
	Fe500	10 -T16	10 -T16	4 -T16 4 -T12
COLUMN NOS.		C4	C9	C11
FOOTING TYPE		ECC FTG. (EF1)	ECC FTG. (EF2)	ECC FTG. (EF3)
P.C.C.(1.3.6) 100mm OR AS REQD.		1000X1950	1000X1750	1000X1650
S.B.C. 350 KN/m2	RCC SIZE (L X B)	900X1750	900X1550	900X1450
D d R.C.C. FOOTING	D/d	1200 / 450	1200 / 450	1200 / 450
	STEEL AT BOTHWAY	T10 @ 100 C/C BOTH WAY	T10 @ 100 C/C BOTH WAY	T10 @ 100 C/C BOTH WAY

A3/1/3

(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 (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, 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 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:-	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:-	3 Kn/sq.m

NO. REV.	DATE	DRAWN BY	CHECKED BY	DESCRIPTION OF THE REVISIONS
R0	02.12.20	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 AND FOOTING

DRAWN BY:	V.S	DESIGNED BY:	M.M
CHECKED BY:	M.M.	DATE:	02.12.2020
DRAWING NO & REVISION:	2020/10/RC-COL&FTG/R0		

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