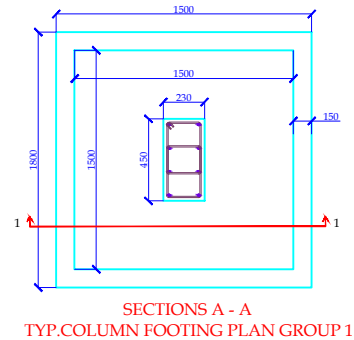
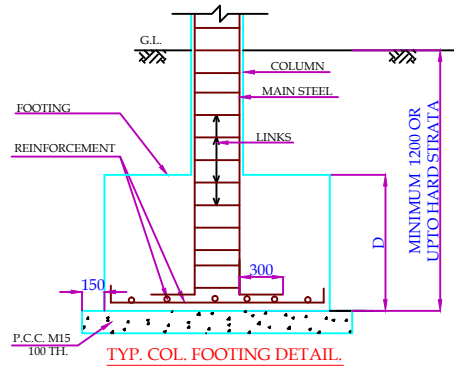
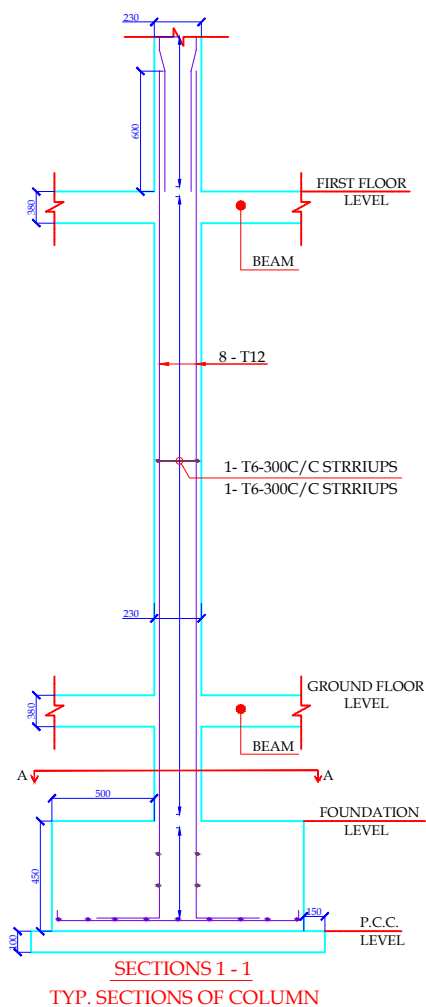


RAISE ANY DOUBTS BEFORE START OF WORK.

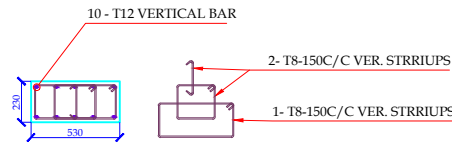


* DESIGNED FOR G+3
* ALLOWABLE SAFE LOAD BEARING CAPACITY OF SOIL = 180 KN/S.M TO BE CONFIRMED BY CLIENT; OTHERWISE DESIGN WILL ASSUMED ACCEPTED BY CLIENT.

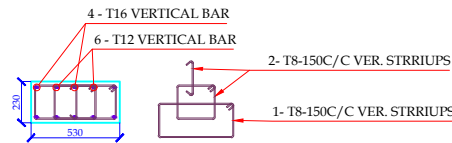
GRADE OF CONCRETE :- M25
GRADE OF STEEL :- FE 500

SCHEDULE OF R.C.C. COLUMN AND FOOTINGS

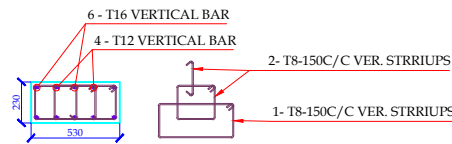
Group No	COLUMN NO	P.C.C SIZE X-Y MM	FOOTING SIZE X-Y MM	MIN. DEPTH MM	TOTAL DEPTH MM	STEEL II TO X MM # dia.	STEEL II TO Y MM # dia.	COL. UPTO 1 ST SLAB		COL. UPTO 2 ND SLAB		COL. UPTO 3 RD SLAB		COL. UPTO 4 TH SLAB		STIRRUPS
								SIZE	MAIN STEEL no. # dia.	SIZE	MAIN STEEL no. # dia.	SIZE	MAIN STEEL no. # dia.	SIZE	MAIN STEEL no. # dia.	
1	C1,C2,C4,C5	1700 x 1800	1400 x 1500	-	450	#10 @125 C/C	#10 @125 C/C	230 X 530	4 # 16 6 # 12	230 X 530	4 # 16 6 # 12	230 X 530	4 # 16 6 # 12	230 X 450	4 # 16 4 # 12	#8 @ 150 C/C
2	C3,C6	1700 x 1800	1400 x 1500	-	400	#10 @150 C/C	#10 @150 C/C	230 X 530	10 # 12	230 X 530	10 # 12	230 X 450	10 # 12	230 X 450	8 # 12	#8 @ 150 C/C
3	C7,C8,C9,C11	1700 x 2000	1400 x 1700	-	500	#10 @100 C/C	#10 @125 C/C	230 X 530	6 # 16 4 # 12	230 X 530	6 # 16 4 # 12	230 X 530	4 # 16 6 # 12	230 X 450	4 # 16 4 # 12	#8 @ 150 C/C
4	C10,C12	1700 x 1800	1400 x 1500	-	450	#10 @150 C/C	#10 @150 C/C	230 X 530	4 # 16 6 # 12	230 X 530	4 # 16 6 # 12	230 X 450	4 # 16 4 # 12	230 X 450	4 # 16 4 # 12	#8 @ 150 C/C



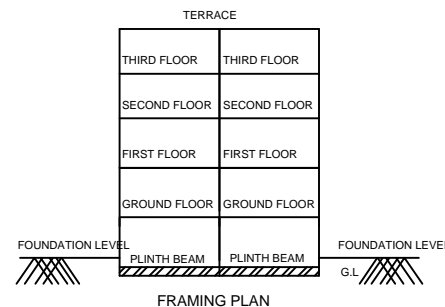
TYPICAL DETAILS OF COLUMN = GROUP 2



TYPICAL DETAILS OF COLUMN = GROUP 1 & 4



TYPICAL DETAILS OF COLUMN = GROUP 3



FRAMING PLAN

- BASIC REFERENCE CODE-IS 456-2000
- DESHTUTTERING PERIOD SHALL NOT BE LESS THAN SPECIFIED BELOW
 - VERTICAL FACES FOR COLUMN,BEAM AND WALL -24 HOURS
 - SLAB 1-SPANNING UP TO 4.5 M -7 DAYS
 - 2-SPANNING OVER TO 4.5 M -14 DAYS
 - BEAMS 1-SPANNING UP TO 6.0 M -14 DAYS
 - 2-SPANNING OVER TO 6.0 M -21 DAYS
- DUE CARE SHOULD BE TAKEN TO ASCERTAIN THAT REQUISITE STRENGTH OF CONCRETE IS GAINED BEFORE COMMENCEMENT OF DESHTUTTERING.
- BEAMS HAVING DEPTH MORE THAN 750 MM, PROVIDE SIDEFACE ON BOTH SIDE FOR BEAM ABOVE 850 MM DEPTH -PROVIDE #12 @ 1/3 RD AND 2/3 RD BEAM DEPTH
- ALL LAPS SHALL BE STAGGERED AND NOT MORE THAN 50% BARS TO BE LAPPED AT ANY GIVEN SECTION
- MAXIMUM ALLOWABLE HEIGHT OF COLUMN WITHOUT ANY BRACER OR TIE
 - 230 WIDE- 4000M
 - 200 WIDE- 3400M
 - 150 WIDE- 2600M
- NOT WITHSTANDING THESE PROVISIONS,ALL BUIDING SHALL HAVE BEAM / PLINTH BEAMS AT G.L./PLINTH LVL.
- IF FOOTINGS OVERLAP EACH OTHER,NESSERARY REVISION SHOULD BE OBTAINED FROM OFFICE
- DESIGN IS VALID FOR NO. OF FLOORS AS INDICATED IN NOTE ONLY.
- MINIMUM SPACING BETWEEN ANY TWO LONGITUDINAL BARS IN BEAM-50 MM
- AT ANY LEVEL WHERE COLUMN GETS REDUCED IN EITHER DIMENSION TIE BEAM / PLINTH BEAMS ARE ABSOLUTELY ESSENTIAL.
- FOR CANTILEVERS ,TOP BARS TO BE ANCHORED BEHINDS FOR-70 X DIA OF BAR OR SPAN OF CANTILEVERS-WHICH EVER IS GREATER
- ALL TIE BEAM ARE NOT DESIGNED FOR WALL LOAD
- ENVIRONMENTAL EXPOSURE CONDITION-MILD IS ASSUMED.

USE OF THIS DRAWING FOR CONSTRUCTION SHALL EXPLICITLY CONFIRM ACCEPTANCE OF OF FOLLOWING CONDITIONS BY OWNER / BUILDER / CONTRACTOR. OUR RESPONSIBILITY SHALL REMAIN LIMITED TO SAFE AND SOUND STRUCTURAL DESIGN.

WE SHALL NOT REMAIN RESPONSIBLE FOR

- SAFETY OF OLD STRUCTURE DURING DEMOLITION.
- SAFETY OF ANY ADJOINING BUILDING / PERSONS STAYING IN ADJOINING.
- SAFETY OF CONSTRUCTION WORKER / ANY PERSONNEL AT WORK SITE DURING CONSTRUCTION
- CORRECTNESS / SAFETY OF ANY TEMPORARY STRUCTURE, SCAFFOLDING,SHUTTERING CENTRING ERECTED AT SITE AND INJURY TO ANY PERSONNEL ARISING OUT OF ANY ACCIDENT
- ACCIDENTS OCCURRING DUE TO PREMATURE DESHTUTTERING, FAULTY/SUBSTANDARD CONSTRUCTION MATERIAL OR WORKMANSHIP / FAULTY CONSTRUCTION PROCEDURE.

- NOTES :**
- DO NOT SCALE THE DRAWING, REFER FIGURED DIMENSIONS
 - ANY DESCRIPANCIES OR OMISSION OR CHANGES SHALL BE BROUGHT TO NOTICE PRIOR TO EXECUTION
 - CONCRETE GRADE USED IS M 20 UNLESS OTHERWISE MENTIONED.P.C.C.=1:3:6 M20 = 1:1.5:3
 - ALL STEEL EXCEPT 6mmO IS TOR STEEL() OF GRADE Fe 415 N/mmSq.
 - LAPPING OR ANCHORAGE LENGTH
 - FOR a) BEAM AND SLAB = 60 x DIA OF BAR
 - b) COLUMN = 50 x DIA OF BAR
 - CLEAR COVER TO REINFORCEMENT
 - a) FOOTING = 50mm.
 - b) COLUMN = 25mm.
 - c) SLAB = 15mm.
 - d) BEAM = 25mm.
 - S.B.C. OF SOIL ASSUMED IS 300KN/5QM
 - COLUMNS AND FOOTINGS ARE DESIGNED FOR BASEMENT+G +3,PARKING+3
 - ALL WALLS-0.15 BBM ,EXCEPT TOILET WALLS-0.1 BBM HT-3.0 M
 - DO NOT CAST ANY R.C.C WORK UNLESS IT IS CHECKED AND CONFIRMED BY ENGINEER
 - DESIGN OF CENTRING, SHUTTERING, AND CONCRETE MIX IS CONTRACTOR RESPONSIBILITY
 - ALL DIMENSIONS ARE ASSUMED IN MM IF NOT MENTIONED
 - DO NOT SCALE THE DRAWING
 - TOP OF THE BEAMS SHOULD BE AT SAME LEVEL
 - ALL DIMENSIONS ARE IN MM IF NOT MENTIONED.

CLIENT :- MR. UMESH THORAT

ARCHITECT :- SHREE ASSOCIATES

PROJECT :- PROPOSED BUILDING CONSTRUCTION

TITLE :- RCC.DETAILS OF COLUMNS & FOOTINGS

CHECKED BY	DRAWN BY	SCALE	REV.
GANESH	ROHIT	N.T.S	00

DATE 21.01.2021

Shree Associates
Architects & Engineers
Harshadeep Complex, Side By Laxmi Super Market & Finolex Drip Talegaon Road, Shikrapur Pune:- 412208
MOB--89 75 13 1111
MOB--90 75 08 1111
EMAIL - Shree.Associates@gmail.com

shree II ASSOCIATES