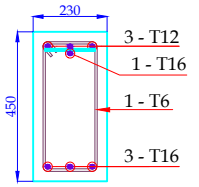
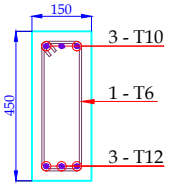
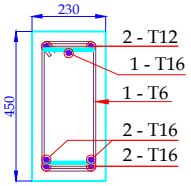
SCHEDULE OF FIRST FLOOR BEAMS

BEAM NO	SIZE (B X D)	BOTTOM STRAIGHT	BOTTOM CURTAIL L/6	TOP STRAIGHT	TOP EXTRA L/3		STIRRUPS	REMARKS
					LEFT	RIGHT		
B1	230 X 450	3 TOR 12	---	3 TOR 12	1 T 12	1 T 12	T6 @ 100,150,100 C/C	---
B2/HB	230 X 150	3 TOR 12	---	3 TOR 16	1 T 12	2 T 16	T6 @ 100,150,100 C/C	---
B3	230 X 450	3 TOR 12	---	+ 2 TOR 16 3 TOR 16	1 T 12	1 T 12	T6 @ 100,100,100 C/C	CANT.
B4	150 X 450	3 TOR 12	---	2 TOR 12	1 T 12	1 T 12	T6 @ 100,150,100 C/C	---
B5	230 X 450	3 TOR 12	---	3 TOR 12	1 T 12	2 T 12	T6 @ 100,150,100 C/C	---
B6	230 X 450	3 TOR 12	---	+ 2 TOR 12 3 TOR 12	1 T 12	1 T 12	T6 @ 100,100,100 C/C	CANT.
B7	150 X 450	3 TOR 12	---	2 TOR 12	---	---	T6 @ 125,125,125 C/C	
B8	230 X 450	+ 1 TOR 12 2 TOR 16	1 TOR 12	3 TOR 12	---	1 T 10	T6 @ 100,150,100 C/C	---
B9	230 X 450	3 TOR 12	1 TOR 12	3 TOR 12	1 T 10	1 T 10	T6 @ 100,150,100 C/C	---
B10	230 X 450	3 TOR 12	---	2 TOR 12	1 T 10	---	T6 @ 100,150,100 C/C	---
B11A	230 X 450	3 TOR 12		+ 2 TOR 16 3 TOR 12	---	---	T6 @ 100,100,100 C/C	CANT.
B11	230 X 450	3 TOR 12	1 TOR 12	3 TOR 12	2 T 16	1 T 10	T6 @ 100,150,100 C/C	---
B12	230 X 450	2 TOR 12	---	2 TOR 12	1 T 10	---	T6 @ 100,150,100 C/C	---
B13	230 X 450	3 TOR 12	---	3 TOR 12	---	---	T6 @ 125,150,125 C/C	---
B14	150 X 450	3 TOR 12	---	2 TOR 12	---	---	T6 @ 150,150,150 C/C	---
B15	150 X 450	3 TOR 12	---	2 TOR 12	---	---	T6 @ 150,150,150 C/C	---
B16	150 X 450	2 TOR 12	---	2 TOR 12	---	---	T6 @ 150,150,150 C/C	---
HB	230 X 150	3 TOR 12	---	2 TOR 12	---	---	T6 @ 150,150,150 C/C	---
HB1	150 X 150	2 TOR 12	---	2 TOR 12	---	---	T6 @ 150,150,150 C/C	---







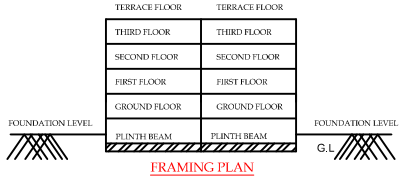
TYP. SECTIONS OF FIRST FLOOR BEAM

1. BASIC REFERANCE CODE-IS 456-2000
2. DESHUTTERING PERIOD SHALL NOT BE LESS THAN SPECIFIED BELOW
   a) VERTICAL FACES FOR COLUMN,BEAM AND WALL -24 HOURS
   b) SLAB 1-SPANNING UP TO 4.5 M -7 DAYS
   2-SPANNING OVER TO 4.5 M -14 DAYS
   c) BEAMS 1-SPANNING UP TO 6.0 M -14 DAYS
   BEAMS 2-SPANNING OVER TO 6.0 M -21 DAYS
3. DUE CARE SHOULD BE TAKEN TO ASCERTAIN THAT REQUISITE STRENGTH OF CONCRETE IS GAINED BEFORE COMMENCEMENT OF DESHUTTERING.
4. 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
5. ALL LAPS SHALL BE STAGGERED AND NOT MORE THAN 50% BARS TO BE LAPPED AT ANY GIVEN SECTION COLUMN,BEAMS AND SLABS -M-20- 48 X D
6. MAXIMUM ALLOWABLE HEIGHT OF COLUMN WITHOUT ANY BRACER OR TIE
   i) 230 WIDE- 4000M
   ii) 200 WIDE- 3400M
   iii) 150 WIDE- 2600M
7. NOT WITHSTANDING THESE PROVISIONS,ALL BUIDING SHALL HAVE BEAM / PLINTH BEAMS AT G.L./PLINTH LVL.
8. IF FOOTINGS OVERLAP EACH OTHER,NESSERARY REVISION SHOULD BE OBTAINED FROM OFFICE
9. DESIGN IS VALID FOR NO. OF FLOORS AS INDCATED IN NOTE ONLY.
10. MINIMUM SPACING BETWEEN ANY TWO LONGITUDINAL BARS IN BEAM-50 MM
11. AT ANY LEVEL WHERE COLUMN GETS REDUCED IN EITHER DIMENSION TIE BEAM / PLINTH BEAMS ARE ABSOLUTELY ESSENTIAL.
12. FOR CANTILEVERS ,TOP BARS TO BE ANCHORED BEHINDS FOR-70 X DIA OF BAR OR SPAN OF CANTILEVERS-WHICH EVER IS GREATER
13. ALL TIE BEAM ARE NOT DESIGNED FOR WALL LOAD
14. 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 RESPOSIBLE FOR
a) SAFETY OF OLD STRCTURE DURING DEMOLITION.
b) SAFETY OF ANY ADJOINING BUILDING / PERSONS STAYING IN ADJOINING.
c) SAFETY OF CONSTRCTION WORKER / ANY PERSONNEL AT WORK SITE DURING CONSTRUCTION
d) CORRECTNESS / SAFETY OF ANY TEMPORARY STRUCTURE, SCAFFOLDING,SHUTTERING CENTRING ERECTED AT SITE AND INJURY TO ANY PERSONNEL ARISING OUT OF ANY ACCIDENT
e) ACCIDENTS OCCURING DUE TO PREMATURE DESHUTTERING, FAULTY/SUBSTANDARD CONSTRUCTION MATERIAL OR WORKMANSHIP / FAULTY CONSTRCTION PROCEDURE.

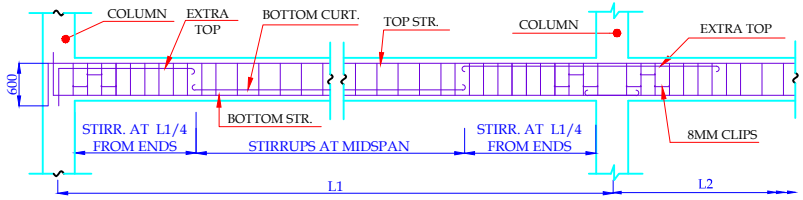
SCHEDULE OF SLAB

SLAB	THICKNESS	STEEL ALONG		SPANNING	REMARKS
		SHORT SPAN	LONG SPAN		
S1	125	8 TOR @ 150 C/C	8 DIA @ 150 C/C DISTR.	ONE WAY	-
S2	125	8 DIA @ 150 C/C ALT BENT UP.	8 DIA @ 150 C/C ALT BENT UP.	TWO WAY	-
S3	150	8 DIA @ 150 C/C	8 DIA @ 150 C/C DISTR.	ONE WAY	SUNK SLAB
S4	150	10 TOR @ 150 C/C	12 DIA @ 150 C/C DISTR.	ONE WAY	STAIR-CASE

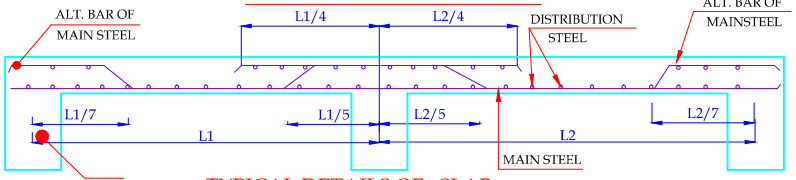


FRAMING PLAN

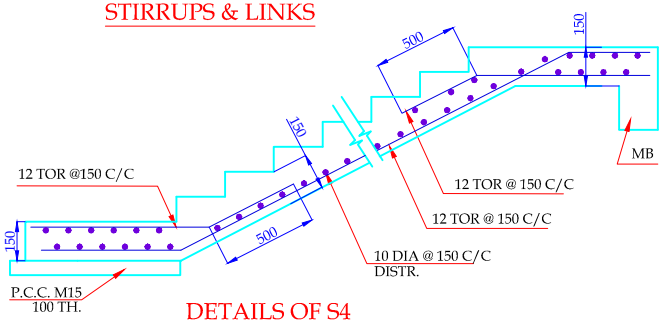
STIRRUPS & LINKS



TYPICAL DETAILS OF BEAMS



TYPICAL DETAILS OF SLAB



DETAILS OF S4

(150THK.) MAX 4 M. SPAN

NOTES :

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

CLIENT :-	MR. UMESH THORAT
ARCHITECT :-	SHREE ASSOCIATES
PROJECT :-	PROPOSED BUILDING CONSTRUCTION
TITLE :-	RCC.DETAILS OF F.F BEAM & SLAB SCHEDULE

CHECKED BY	DRAWN BY	SCALE	REV.
SANDIP	ROHIT	N.T.S	01
		DATE	17.03.2021

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II SHREE II ASSOCIATES

RAISE ANY DOUBTS BEFORE START OF WORK.