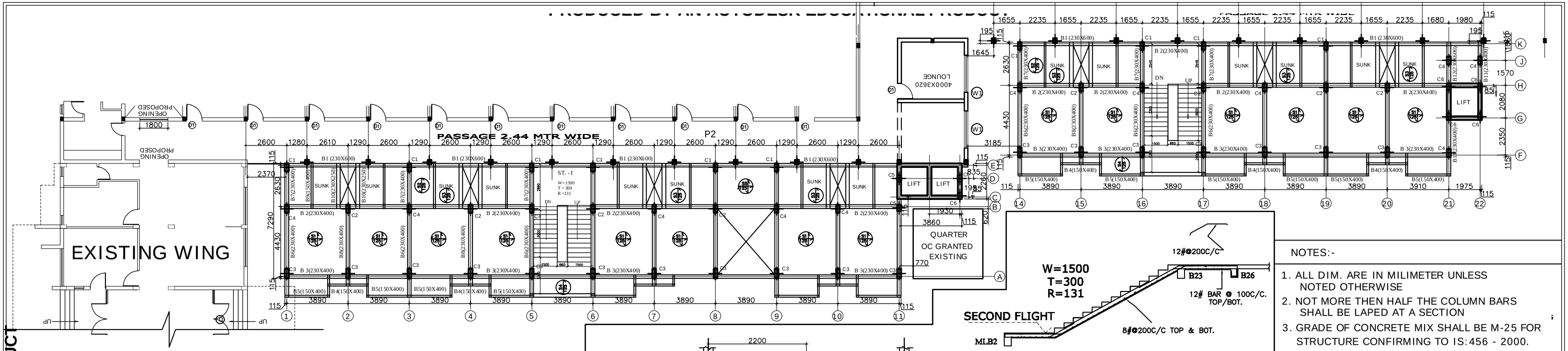
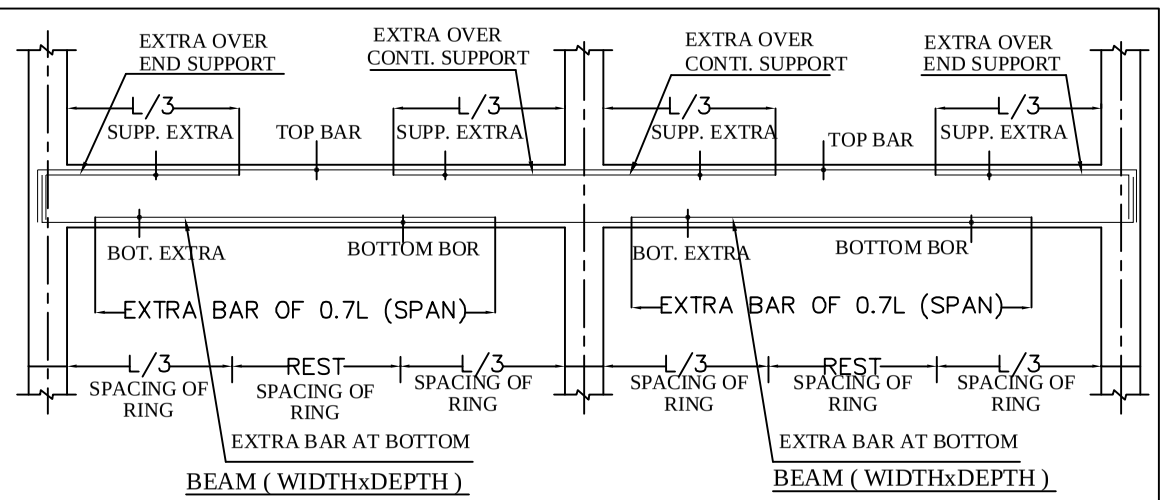


SCHEDULE OF SLAB REINFORCEMENT

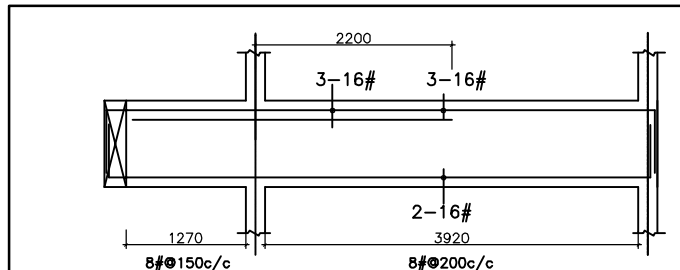
SLAB	THK.	BEHAVIOUR	STEEL IN SHORTER DIRECTION OF SPAN	STEEL IN LONGER DIRECTION OF SPAN	EXTRA OVER END SUPP. L/4 OF LONG SPAN AT TOP.	EXTRA OVER END SUPP. L/4 OF SHORT SPAN AT TOP.	REMARK
S1	125	TWO-WAY	8# BAR @150 C/C ALT. BAR BENT UP AT SUPPORT	8# BAR @200 C/C ALT. BAR BENT UP AT SUPPORT	8# EXT. @ 300 C/C AT OF END SUPPORT	8# EXT. @ 350 C/C AT OF END SUPPORT	8# DIST. @200 C/C WHEREVER REQUIRED
S2	125	ONE-WAY	8# BAR @150 C/C ALT. BAR BENT UP AT SUPPORT	8# DIST. @200 C/C ACROSS MAIN BAR	----	8# EXT. @ 300 C/C AT OF END SUPPORT	----
S3	125	ONE-WAY	10# BAR @150 C/C ALT. BAR BENT UP AT SUPPORT	8# DIST. @200 C/C ACROSS MAIN BAR	----	10# EXT. @ 300 C/C AT OF END SUPPORT	----
S4	125	ONE-WAY	8# BAR @150 C/C ALT. BAR BENT UP AT SUPPORT	8# DIST. @200 C/C ACROSS MAIN BAR	----	8# EXT. @ 300 C/C AT OF END SUPPORT	8# DIST. @250 C/C WHEREVER REQUIRED
S5	125	TWO-WAY	8# BAR @175 C/C ALT. BAR BENT UP AT SUPPORT	8# BAR @175 C/C ALT. BAR BENT UP AT SUPPORT	----	10# EXT. @ 300 C/C AT OF END SUPPORT	8# DIST. @250 C/C WHEREVER REQUIRED

SCHEDULE OF RAMP BEAM REINFORCEMENT AT VARIOUS LEVEL.

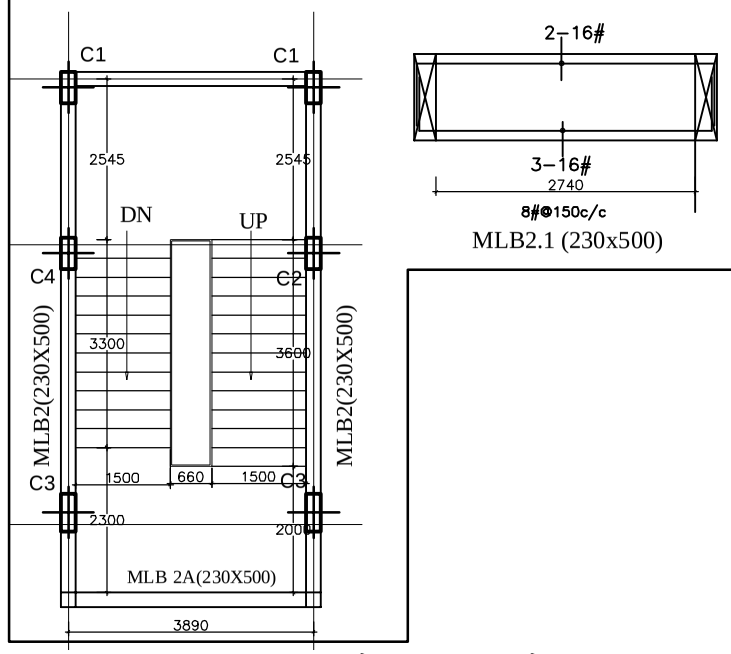
BEAM	TOP BAR	BOT. BAR	EXT. AT BOT. OF 0.7L	EXT. OVER CONTI. SUPP.	EXT. OVER END SUPP.	RINGS SPACING L/3 ON EITHER SIDE OF SPAN	RINGS SPACING ON REST OF SPAN	REMARKS
B1 (230x600)	2-16#	3-16#	2-16#	2-16#	2-16#	8# @ 150 C/C	8# @ 200C/C	
B2 (230x400)	2-12#	2-12#	1-12#	1-16#	1-16#	8# @ 150 C/C	8# @ 200C/C	
B3 (230x400)	2-12#	2-12#	1-12#	1-16#	1-16#	8# @ 150 C/C	8# @ 200C/C	
B4 (150x400)	2-12#	2-12#	-----	-----	-----	8# @ 150 C/C		
B5 (150x400)	2-12#	2-12#	-----	-----	-----	8# @ 150 C/C		
B6 (230x400)	2-12#	2-12#	1-12#	1-16#	1-16#	8# @ 150 C/C	8# @ 200C/C	
B7 (230x400)	2-12#	2-12#	-----	1-16#	-----	8# @ 150 C/C		
B8 (230x400)	2-12#	2-12#	2-12#	1-16#	1-16#	8# @ 150 C/C	8# @ 200C/C	
B9 (150x400)	2-12#	2-12#	-----	-----	-----	8# @ 150 C/C		
B10 (230x250)	2-12#	2-12#	-----	-----	-----	8# @ 150 C/C		
B11 (230x600)	3-20#	3-16#	-----	-----	-----	8# @ 150 C/C		
B12 (230x400)	3-16#	2-16#	-----	-----	-----	8# @ 150 C/C		



TYPICAL DETAIL OF BEAM

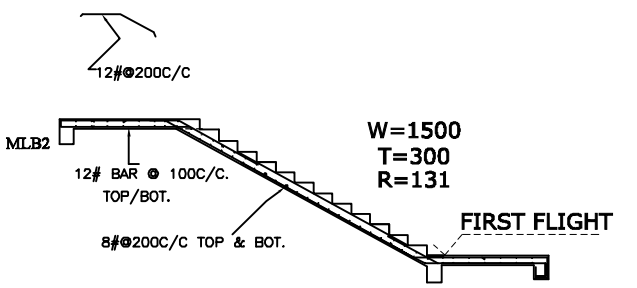


MLB2 (230x500)

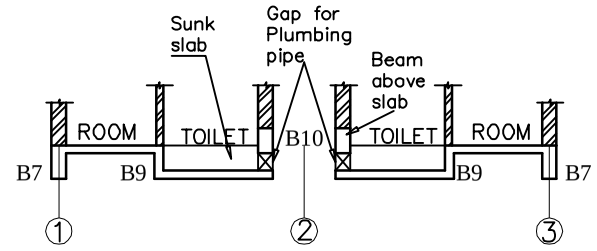


MLB2.1 (230x500)

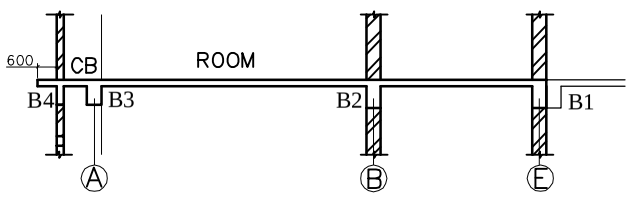
STAIR CASE SECTION SECOND FLIGHT



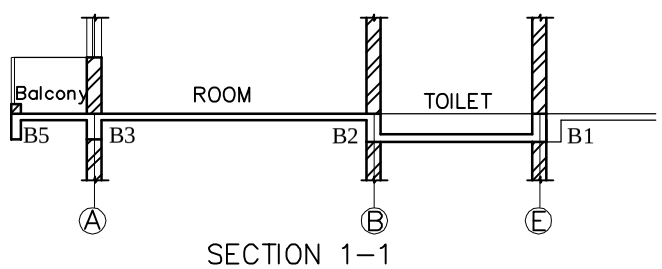
STAIR CASE SECTION FIRST FLIGHT



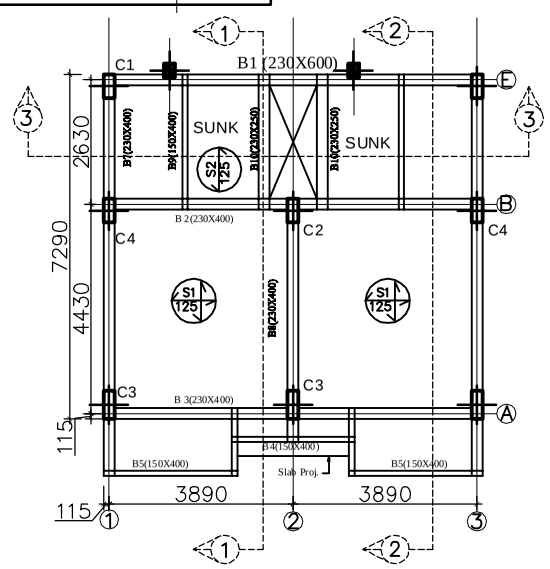
SECTION 3–3



SECTION 2–2



SECTION 1–1



PART PLAN

NOTES:-

1. ALL DIM. ARE IN MILIMETER UNLESS NOTED OTHERWISE
2. NOT MORE THEN HALF THE COLUMN BARS SHALL BE LAPED AT A SECTION
3. GRADE OF CONCRETE MIX SHALL BE M-25 FOR STRUCTURE CONFIRMING TO IS:456 - 2000.
4. STEEL RENFORCEMENT SHALL BE GRADE Fe:500-D N/SQ. mm AS PER IS:1786-2007.
5. CLEAR COVER TO THE R/F SHALL BE AS FOLLOWS.
   - I COLUMN - 40mm ALROUND
   - II FOOTING - 60 mm
   - III BEAM - 25 mm ALROUND
   - IV SLAB - 20 mm TOP/BOT.
6. DEVELOPMENT LENGTH & LAP LENGHT SHALL BE 50 TIMES DIA OF BAR
7. TOP & BOTTAM BARS SHOULD BE BEND AT THE ENDS AT LEAST FOR BEAM DEPTH IN CASE OF DEVELOPMENT LENGTH SATISFIED.
8. TOP BARS OF BEAM SHALL BE LAPPED AT THE CENTRE OF THE SPAN AND BOTTAM BARS SHALL BE LAPPED AT TWICE THE DEPTH AWAY FROM SUPPORT OR AT SUPPORT WITH LAP LENGTH FOR BOTH THE BARS
9. THE COLUMN FOOTING HASBEEN DESIGN FOR GROUND & FOUR FLOORS.
10. THE COLUMN BARS SHALL BE LAPPED AT THE MIDDLE OF THE STOREY HEIGHT AND STAGGRED BY 1.3 TIMES DEVELOPMENT LENGTH-Ld
11. THE SAFE BEARING CAPACITY OF SOIL IS 350 KN/ SQ. M.
12. AS FAR AS POSSIBLE THE BOTTOM LEVEL OF FOOTING SHOULD BE SAME OTHERWISE WELL WITHIN THE DISPERSION ANGLE OF LOAD TO ADJACENT FOOTING TO AVOID OVER STRESSING OF SOIL OF LOWER LEVEL FOOTING WHICH IS LIKELY TO COME IN LOAD DISPERSION RANGE

ISSUED TO	DATE	NO. OF PRINTS

REV	DATE	DISCRIPTION

space forum architects pvt.ltd.
114, ARNIYA PLAZA
27/2, MANORMAGANJ
INDORE- 452001
TEL:- 0731-2494930

JOB TITLE

SHEET TITLE

STRUCTURAL DETAILS OF FLOOR BEAMS & SLABS.

DEALT BY.		DRG. NO.
CHECKED BY.		RS-03
SCALE		

TENDER DRAWING