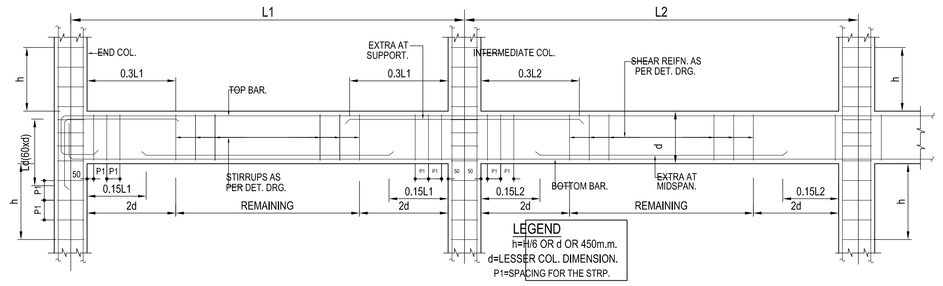
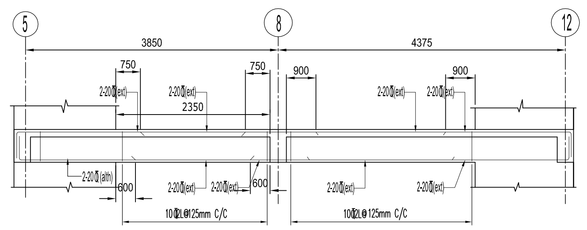
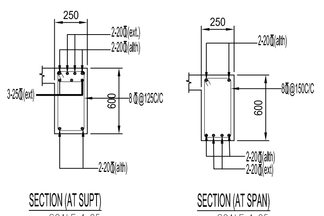


TYPICAL DETAIL OF BEAM COLUMN JUNCTION



DETAIL OF BEAM(B1-250x600)

SCALE 1:50

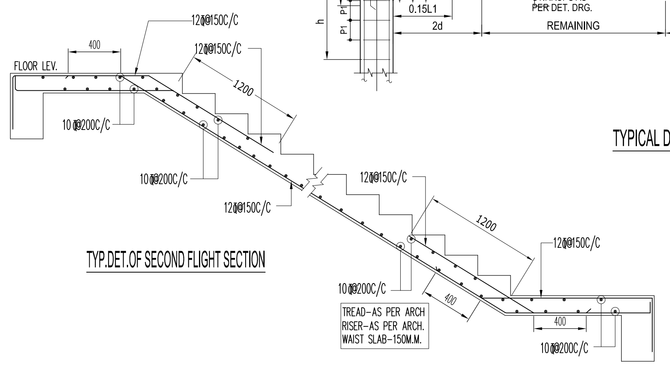


SECTION(AT SUPT)

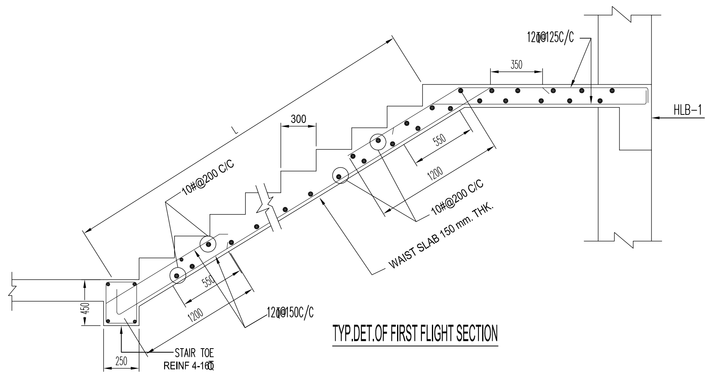
SCALE 1:25

SECTION(AT SPAN)

SCALE 1:25



TYP.DET.OF SECOND FLIGHT SECTION



TYP.DET.OF FIRST FLIGHT SECTION

SCHEDULE OF FLOOR BEAM (M25 AND FE 500)

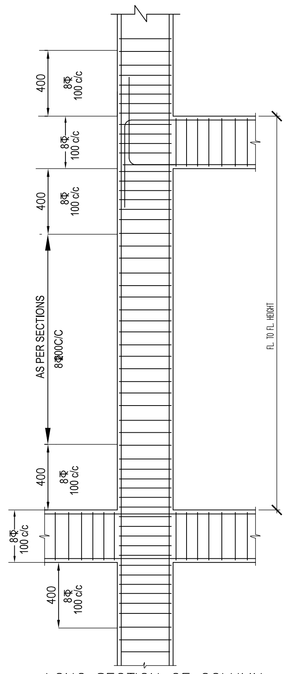
MKD.	SIZE (MMxMM)	TOP		BOTT.		STIRRUPS (2 LEGGED)	
		AT.TH	EXT(AT SUPT.)	AT.TH	EXT(MID SPAN)	AT SUPPORT	AT SPAN.
B1	250x600	2–20	2–20	2–20	2–20	10Ø2L @125mm C/C	10Ø2L @150mm C/C
B2	250x600	3–20	2–25	3–20	2–20	10Ø2L @125mm C/C	10Ø2L @150mm C/C
B3	250x600	3–20	–	3–20	–	10Ø2L @125mm C/C	10Ø2L @150mm C/C
B4	250x600	2–25	2–25	2–25	2–25	10Ø2L @125mm C/C	10Ø2L @150mm C/C
B5	250x600	3–16	–	3–16	–	10Ø2L @125mm C/C	10Ø2L @150mm C/C
B6	250x600	2–16	2–20	4–20	–	10Ø2L @125mm C/C	10Ø2L @150mm C/C
B7	250x600	2–25	2–25	4–25	–	10Ø2L @125mm C/C	10Ø2L @150mm C/C
B8	250x600	3–16	–	3–16	–	10Ø2L @125mm C/C	10Ø2L @150mm C/C
B8A	250x600	3–16	–	3–16	–	10Ø2L @125mm C/C	10Ø2L @150mm C/C

DETAIL OF SLAB REINFORCEMENT WITH GRADE OF CONCRETE M25

a = 8ØT @330C/C	BOTTOM STRAIGHT
b = 8ØT @330C/C	BOTTOM CUT
c = 8ØT @350C/C	BOTTOM STRAIGHT
d = 8ØT @350C/C	BOTTOM CUT
e = 8ØT @150C/C	EXTRA TOP
f = 8ØT @165C/C	EXTRA
g = 8ØT @125C/C	EXTRA TOP
h = 8ØT @135C/C	EXTRA TOP
i = 8ØT @300 C/C	BOTTOM STRAIGHT
j = 8ØT @300 C/C	BOTTOM CUT
k = 10ØT @125 C/C	EXTRA TOP
l = 10ØT @150 C/C	EXTRA TOP
m = 10ØT @300 C/C	BOTTOM STRAIGHT
n = 10ØT @300 C/C	BOTTOM CUT
o = 10ØT @330 C/C	BOTTOM STRAIGHT
p = 10ØT @330 C/C	BOTTOM CUT
q = 10ØT @100 C/C	EXTRA TOP

SLAB 'S6' =	135 THK.
SLAB 'S5' =	150 THK.
SLAB 'S4' =	115 THK.
SLAB 'S3' =	125 THK.
SLAB 'S2' =	150 THK.
SLAB 'S1' =	175 THK.

NB: FOR ROOF SLAB MINIMUM THIKNESS 125MM.



LONG SECTION OF COLUMN SHOWING LINK DETAILS

SCHEDULE OF COLUMN:- (FE 500;Cover-40mm)

COLUMN MKD.	COL. SIZE (MMxMM)	FOUNDATION TO 2ND FL. (M40: Fe500)	2ND FL. TO 4TH FL. (M40: Fe500)	4TH FL. TO 7TH FL. (M30: Fe500)	7TH FL. TO 10TH FL. (M30: Fe500)	10TH FL. TO ROOF. (M30: Fe500)	STIRRUPS
4C1,4C3	300X800	6-20ØT+10-16ØT	16-16ØT	10-16ØT+6-12ØT	10-16ØT+6-12ØT	10-16ØT+6-12ØT	8mm @150mm C/C mid zone @ 100 mm c/c near junctions.
4C2	250X1500	16-20ØT+6-16ØT	22-16ØT	16-16ØT+6-12ØT	8-16ØT+14-12ØT	22-12ØT	
4C4,4C6	300X950	6-20ØT+12-16ØT	18-16ØT	10-16ØT+8-12ØT	10-16ØT+8-12ØT	10-16ØT+8-12ØT	
4C5	AS SHOWN.						
4C7	300X800	10-20ØT+6-16ØT	4-20ØT+12-16ØT	16-16ØT	10-16ØT+6-12ØT	10-16ØT+6-12ØT	
4C8	300X1150	6-20ØT+14-16ØT	14-16ØT+6-12ØT	10-16ØT+10-12ØT	10-16ØT+10-12ØT	10-16ØT+10-12ØT	
4C9	300X950	8-20ØT+10-16ØT	4-20ØT+14-16ØT	18-16ØT	10-16ØT+8-12ØT	10-16ØT+8-12ØT	
4C10,4C14 4C15,4C35 4C36,4C43 4C44,4C45	300X950	6-20ØT+12-16ØT	18-16ØT	10-16ØT+8-12ØT	10-16ØT+8-12ØT	10-16ØT+8-12ØT	
4C11,4C30	300X950	10-20ØT+8-16ØT	6-20ØT+12-16ØT	18-16ØT	10-16ØT+8-12ØT	10-16ØT+8-12ØT	
4C12	300X800	10-20ØT+6-16ØT	16-16ØT	10-16ØT+6-12ØT	10-16ØT+6-12ØT	10-16ØT+6-12ØT	
4C13	300X1000	10-20ØT+10-16ØT	4-20ØT+16-16ØT	14-16ØT+6-12ØT	10-16ØT+10-12ØT	10-16ØT+10-12ØT	
4C16,4C34	300X1025	6-20ØT+14-16ØT	20-16ØT	10-16ØT+10-12ØT	10-16ØT+10-12ØT	10-16ØT+10-12ØT	
4C17	300X1225	10-20ØT+12-16ØT	6-20ØT+16-16ØT	22-16ØT	10-16ØT+12-12ØT	10-16ØT+12-12ØT	
4C18,4C21 4C22,4C32	300X950	10-20ØT+8-16ØT	4-20ØT+14-16ØT	18-16ØT	10-16ØT+8-12ØT	10-16ØT+8-12ØT	
4C19,4C23 4C26,4C28 4C33,4C42	300X950	8-20ØT+10-16ØT	4-20ØT+14-16ØT	18-16ØT	10-16ØT+8-12ØT	10-16ØT+8-12ØT	
4C20	300X1100	10-20ØT+10-16ØT	4-20ØT+16-16ØT	14-16ØT+6-12ØT	14-16ØT+6-12ØT	14-16ØT+6-12ØT	
4C24	AS SHOWN.						
4C25	250X1850	16-20ØT+12-16ØT	28-16ØT	16-16ØT+12-12ØT	16-16ØT+12-12ØT	16-16ØT+12-12ØT	
4C27	AS SHOWN.						
4C29	300X950	6-20ØT+14-16ØT	14-16ØT+6-12ØT	10-16ØT+10-12ØT	10-16ØT+10-12ØT	10-16ØT+10-12ØT	
4C31	300X1225	10-20ØT+12-16ØT	6-20ØT+16-16ØT	22-16ØT	10-16ØT+12-12ØT	10-16ØT+12-12ØT	
4C37,4C46 4C47,4C49	300X800	10-20ØT+6-16ØT	16-16ØT	10-16ØT+6-12ØT	10-16ØT+6-12ØT	10-16ØT+6-12ØT	
4C38	300X1000	10-20ØT+10-16ØT	4-20ØT+16-16ØT	14-16ØT+6-12ØT	10-16ØT+10-12ØT	10-16ØT+10-12ØT	
4C39	300X950	10-20ØT+8-16ØT	6-20ØT+12-16ØT	18-16ØT	10-16ØT+8-12ØT	10-16ØT+8-12ØT	
4C40	300X1150	6-20ØT+14-16ØT	14-16ØT+6-12ØT	10-16ØT+10-12ØT	10-16ØT+10-12ØT	10-16ØT+10-12ØT	
4C41	AS SHOWN.						
4C48	250X1500	16-20ØT+8-16ØT	22-16ØT	16-16ØT+6-12ØT	8-16ØT+14-12ØT	22-12ØT	

TYPICAL FL. BEAM LAYOUT PLAN

SCALE-1:100

TYPICAL FL. SLAB LAYOUT PLAN

SCALE-1:100

NOTES :

1. ALL DIMENSIONS ARE IN MM.
2. CONCRETE GRADETO BE ADOPTED AS STATED ,GR. OF STEEL Fe 500
3. COVER TO REINFORCEMENT
   COLUMN = 40mm , BEAM = 30mm
   SLAB = 15mm , FOUNDATION = 50mm
4. DEPTH OF EXCAVATION OF UNDER GROUND SUMP SHOULD BE ABOVE THAT OF FOUNDATION.
5. DO NOT SCALE THE DRAWING , FOLLOW WITH DIMENSION.
6. ALL EXTERNAL WALLS ARE 250mm THK. & INTERNAL WALLS ARE 125 mm THK.
7. LEAN CONCRETE (1:3:6) NOMINAL MIX 75 THK. SHALL BE PROVIDED UNDER FOUNDATION.
8. EXTERNAL PLASTER 19mm THK. IN CEMENT MOTER GRADE (1:6)
9. INTERNAL PLASTER 12mm THK. IN CEMENT MOTER GRADE (1:5)
10. ALL CEILING PLASTER 6mm THK. IN CEMENT MOTER GRADE (1:4)
11. 37mm I.P.S. FLOOR FINISH OVER 100mm THK. P.C.C. WORK OVER 75mm THK. BRICK FLAT SOLING.

1.NEPAL TRADECOM PVT. LTD.& OTHERS.

OWNERS NAME

CERTIFICATE OF STRUCTURAL ENGINEER

CERTIFIED THAT, "THE STRUCTURAL DESIGN & DRAWINGS OF BOTH FOUNDATION & SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA & CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECTS".

DIPANKAR BHOWMIK
B.E. M.I.E. F.I.V.
ENLISTMENT NO-ESE 91/RJPSON/ESE/2014-15
RAJPUR SONARPUR MUNICIPALITY
NAME OF STRUCTURAL ENGINEER

CERTIFICATE OF ARCHITECT

THE E.B.S. HAS CERTIFIED ON THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF WEST BENGAL MUNICIPAL BUILDING RULES 2007, AS AMENDED FROM TIME TO TIME AND THAT THE SITE CONDITION INCLUDING THE WIDTH OF THE ABUTTING ROAD CONFIRM WITH THE PLAN AND IT IS A BUILD ABLE SITE AND NOT A TANK OR A FILLED UP TANK.

NAME OF ARCHITECT
RAJ KUMAR AGARWAL
COUNCIL REGISTRATION NO. CA/94/17940
ADDRESS:
RAJ AGRAWAL & ASSOCIATES
8B, ROYD STREET (2ND FLOOR),
KOLKATA-700016.

ALOK ROY
CONSULTANT GEOTECHNICAL ENGG.
ENLISTMENT NO- 008/RJPSON/G.T./ 2007-2008
NAME OF GEOTECHNICAL ENGINEER

TITLE PLOT - 3 (BLOCK - 4)

SANCTION STRUCTURE

PROJECT

REVISED PLAN OF tower 1, G+12 (39.00 MT. HT.) AND PARTLY COMPLETION ALREADY ACQUIRED FOR tower 2, G+18 (57.00 MT. HT.) RESIDENTIAL BUILDING COMPLEX AT HOLDING NO. 155,SCHOOL RD. R.S. DAG NO 52,54, 55, 56, 58, R.S. KHATIAN NO 14, 60/2, 2509,2510,; MOUZA - RAJPUR, J.L. NO. 55, WARD NO. 26; P.S. SONARPUR, DIST - 24PGS(S), UNDER RAJPUR SONARPUR MUNICIPALITY.
VIDE COMPLETION PLAN NO. 228/COMP./CB/26/26; DT=11/04/2022

DATE	JOB. NO.	DEALT	CHECKED	DWG.NO.
13.02.15	STR./2015/521			STR./155/01/03

SHEET NO -2

SCALE 1:100

ARCHITECT

RAJ AGRAWAL & ASSOCIATES
8B, ROYD STREET, KOLKATA - 16

SCALE 1:100

Sanyalson Associates Consultant Pvt. Ltd.
CONSULTANT PLANNER & STRUCTURAL ENGINEERS
P-157 KANUNGO PARK KOLKATA-84

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