

Nishant Jain
NISHANT JAIN
B.E. (CIVIL) & M.Tech STRUCTURES
CHARTERED ENGINEER AND
STRUCTURAL CONSULTANTS

CONCRETE MIX.	BEAM / SLAB		COLUMN	
	Fe 415	Fe 500	Fe 415	Fe 500
M25	40 X DIA	50 X DIA	35 X DIA	40 X DIA
M30	38 X DIA	46 X DIA	30 X DIA	37 X DIA
M35	34 X DIA	40 X DIA	27 X DIA	32 X DIA
M40 & ABOVE	30 X DIA	36 X DIA	25 X DIA	30 X DIA

[illegible]

PURPOSE OF ISSUE :-	VALID FOR APPROVAL DATE:- 24/04/2024
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GIRNAR STRUCTURAL CONSULTANTS.

	NAME	DATE	REV. NO :- 10
DRN BY :	HARISH	24/04/2024	
DESIGN BY:	NISHANT		
CHKD BY:	NISHANT		
SCALE:	N.T.S.		

CLIENT :- R GATE INFRA PROJECTS

ARCHITECT :- AR. PANKAJ JAIN

JOB TITLE :- ISHAAN ATULYAM
LOCATION :- UDAIPUR

SHEET TITLE :- RCC TYPICAL DETAIL

JOB NO :-	J-306	DWG NO :-	01
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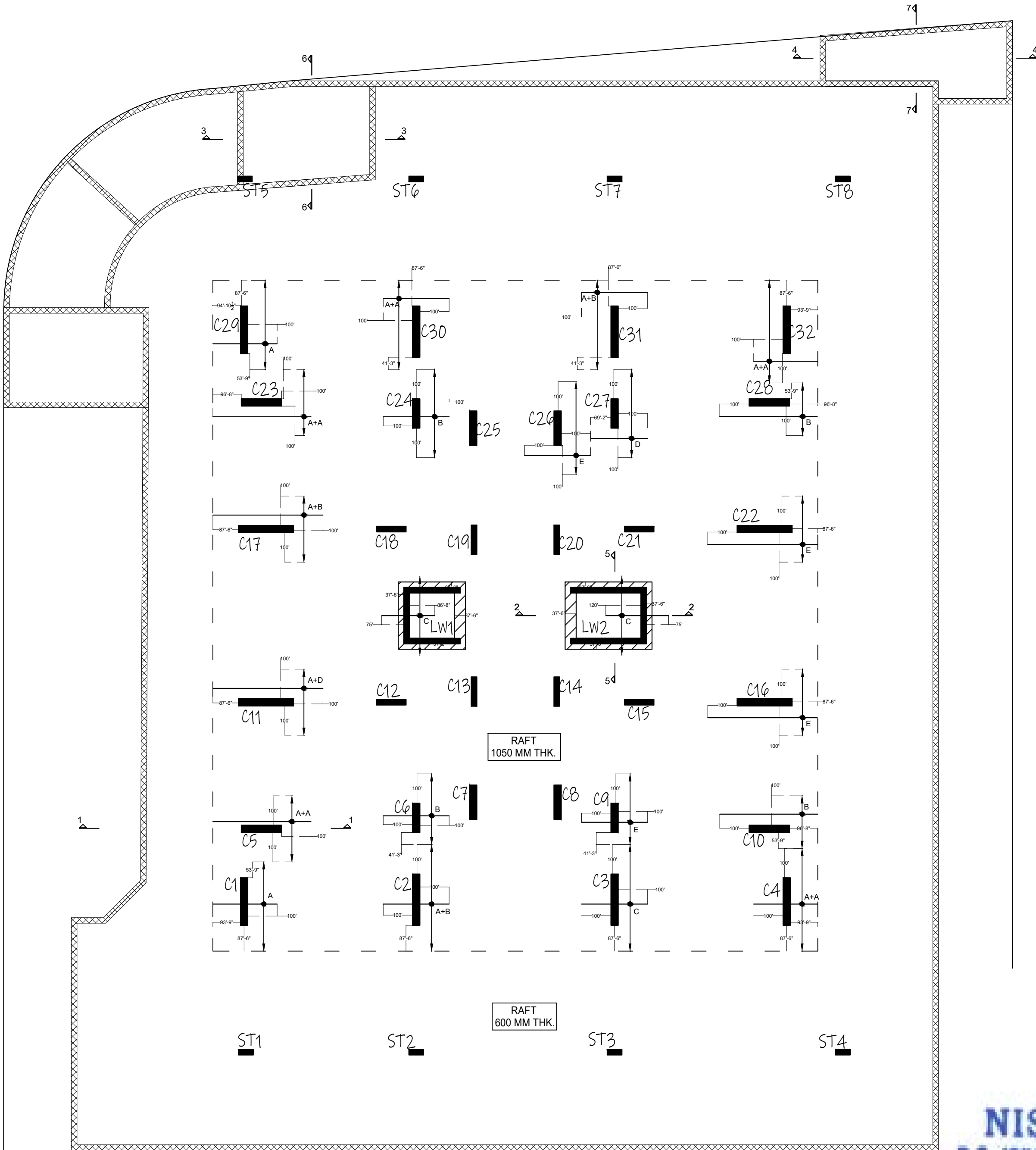


**GIRNAR STRUCTURAL
CONSULTANTS.**

201, 2ND FLOOR KAMAL COMPLEX
GULAB BAGH ROAD,UDAIPUR-313001
TEL:- 0294-2410551/9975392332
E-mail :- nishantjain.1990@gmail.com

SCHEDULE OF COLUMN/ FOUNDATION :-

CONC. MIX	M30	M40
COLUMN NOS .		BASEMENT LVL. & STILT LVL.
		SIZE STEEL NO. T
C-1	PROVIDE RAFT FOUNDATION BELOW MAIN BUILDING THK. 1050 MM	300 X 1950 16 32 10 25
C-2		300 X 2100 24 32 4 25
C-3		300 X 2100 24 32 4 25
C-4		300 X 1950 16 32 10 25
C-5		300 X 1650 14 32 10 25
C-6		300 X 1200 16 25
C-7		300 X 1400 18 25
C-8		300 X 1400 18 25
C-9		300 X 1200 16 25
C-10		300 X 1650 14 32 10 25
C-11	STEEL TOP 16T @ 100MM C/C THROUGHOUT	300 X 2250 30 32
C-12		230 X 1200 16 25
C-13		230 X 1200 8 32 8 25
C-14		230 X 1200 8 32 8 25
C-15		230 X 1200 16 25
C-16		300 X 2250 30 32
C-17		300 X 2250 30 32
C-18		230 X 1200 16 25
C-19		230 X 1200 8 32 8 25
C-20		230 X 1200 8 32 8 25
C-21	PROVIDE RAFT FOUNDATION OUT OF MAIN BUILDING LINE THK. 600 MM	230 X 1200 16 25
C-22		300 X 2250 30 32
C-23		300 X 1650 14 32 10 25
C-24		300 X 1200 16 25
C-25		300 X 1400 18 25
C-26		300 X 1400 18 25
C-27		300 X 1200 16 25
C-28		300 X 1650 14 32 10 25
C-29		300 X 1950 16 32 10 25
C-30		300 X 2100 24 32 4 25
C-31	STEEL BOTTOM 20T @ 100MM C/C THROUGHOUT	300 X 2100 24 32 4 25
C-32		300 X 1950 16 32 10 25



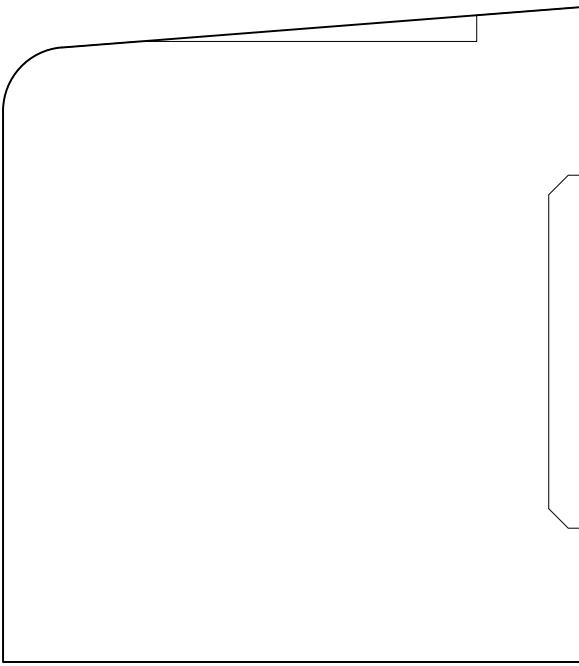
CONC. MIX	M40
COLUMN NOS .	BASEMENT LVL.
	SIZE STEEL NO. T
ST 1 TO 8	230 X 600 10 16

	FOLD IN RAFT
	RAFT THK. REDUCED LINE
	INDICATES BOTTOM EXTRA BARS
	RETAINING WALL

SCHEDULE OF EXTRA REINFORCEMENT

BAR MKD.	REINFORCEMENT	REMARK
IN 'X' DIRECTION		
A	32T @ 100MM c/c.	BOTTOM EXTRA
B	25T @ 100MM c/c.	BOTTOM EXTRA
C	20T @ 100MM c/c.	BOTTOM EXTRA
D	16T @ 100MM c/c.	BOTTOM EXTRA
E	12T @ 100MM c/c.	BOTTOM EXTRA

ISHAAN ATULYAM



KEY PLAN

NOTES :-

- * CONC. MIX. AS SPECIFIED / WEIGH BATCHING ONLY .
- * FOR COLUMN - M40 & RAFT FOOTING: M30
- * FOR RAFT COLUMN JUNCTION AS PER RAFT
- * CEMENT O . P . C . 53 / P . C . GRADE ONLY .
- * W / C RATIO 0.45 .
- * CLEAR COVER TO MAIN R / F :-
- * FOOTING.....50 MM. RETAINING WALL.....25 MM.
- * COLUMN.....40 MM BEAM.....25 MM SLAB.....15 MM
- * P . C . C . (150) 1 : 4 : 8 MUST BE LAID BELOW FOUNDATION .
- * ALL STEEL CONFIRMING TO I . S . 1786 / Fe 550 FOR COLUMN AND REST Fe 500 .
- * COLUMN LINKS MUST BE PROVIDE AT JUNCTION OF COLUMN & BEAM .
- * CENTER OF LAP OF COLUMN SHALL BE AT CENTER OF FLOOR HEIGHT .
- * NOT MORE THAN 50% STEEL TO BE LAPPED AT ANY SECTION FOR COLUMN .
- * THIS DRAWING SHOULD BE READ CONJUNCTION WITH RELEVANT ARCHITECT DRAWING
- * ALL DIMENSION SHOULD BE CONFIRMED WITH ARCHITECT DRAWING .
- * FORMWORK & SUPPORTING SYSTEM IS SOLE RESPONSIBILITY OF CONTRACTOR AND SHOULD KEPT UNDER PRIOR SUPERVISION OF SITE ENGINEER .
- * **= DIMENSION TO BE CONFIRM @ SITE
- * SBC ASSUMED - 40 T/M²

LAP LENGTH TABLE :-			
CONCRETE MIX.	BEAM / SLAB		COLUMN
	Fe 415	Fe 500	Fe 415 Fe 500
M25	40 X DIA	50 X DIA	35 X DIA 40 X DIA
M30	38 X DIA	46 X DIA	30 X DIA 37 X DIA
M35	34 X DIA	40 X DIA	27 X DIA 32 X DIA
M40 & ABOVE	30 X DIA	36 X DIA	25 X DIA 30 X DIA

REV	DATE	REVISION NOTE

PURPOSE OF ISSUE :- VALID FOR APPROVAL
DATE:- 24/04/2024

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	NAME	DATE	REV. NO :- R0
DRN BY :	HARISH	24/04/2024	
DESIGN BY:	NISHANT		
CHKD BY:	NISHANT		
SCALE:	N.T.S.		

CLIENT :- R GATE INFRA PROJECTS

ARCHITECT :- AR. PANKAJ JAIN

JOB TITLE :- ISHAAN ATULYAM

LOCATION :- UDAIPUR

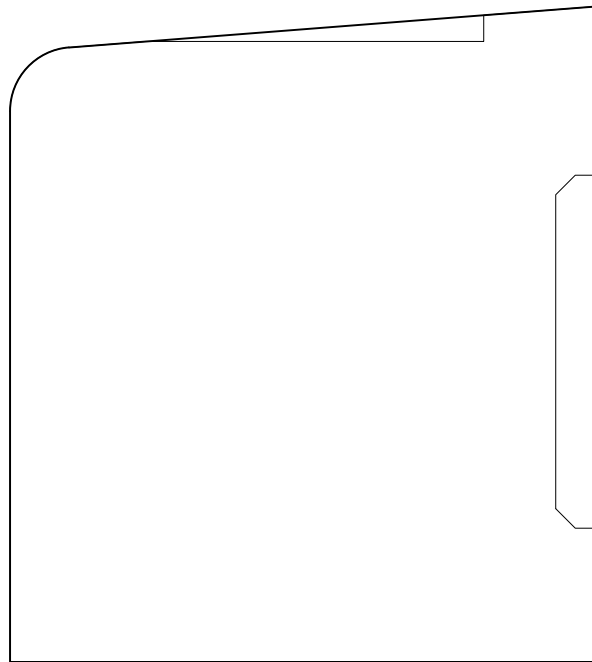
SHEET TITLE :- R.C.C. PLAN FOR FOUNDATION LEVEL
SHOWING BOTTOM EXTRA REINFORCEMENT

JOB NO :- J-306 DWG NO :- 02



GIRNAR STRUCTURAL CONSULTANTS.

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E-mail :- nishantjain.1990@gmail.com



KEY PLAN

NOTES :-

- CONG. MIX. AS SPECIFIED / WEIGH BATCHING ONLY .
- FOR COLUMN - M40 & RAFT FOOTING: M30
- FOR RAFT COLUMN JUNCTION AS PER RAFT
- CEMENT O. P. C. 53 / P. C. GRADE ONLY .
- W / C RATIO 0.45.
- CLEAR COVER TO MAIN R / F :-
- FOOTING.....50 MM. RETAINING WALL.....25 MM.
- COLUMN.....40 MM BEAM.....25 MM SLAB.....15 MM
- P. C. C. (150) 1 : 4 : 8 MUST BE LAID BELOW FOUNDATION .
- ALL STEEL CONFIRMING TO I . S . 1786 / Fe 550 FOR COLUMN AND REST Fe 500.
- COLUMN LINKS MUST BE PROVIDE AT JUNCTION OF COLUMN & BEAM .
- CENTER OF LAP OF COLUMN SHALL BE AT CENTER OF FLOOR HEIGHT .
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- THIS DRAWING SHOULD BE READ CONJUNCTION WITH RELEVANT ARCHITECT DRAWING
- ALL DIMENSION SHOULD BE CONFIRMED WITH ARCHITECT DRAWING.
- FORMWORK & SUPPORTING SYSTEM IS SOLE RESPONSIBILITY OF CONTRACTOR AND SHOULD KEPT UNDER PRIOR SUPERVISION OF SITE ENGINEER.
- **= DIMENSION TO BE CONFIRM @ SITE
- SBC ASSUMED - 40 T/M²

LAP LENGTH TABLE :-

CONCRETE MIX.	BEAM / SLAB		COLUMN	
	Fe 415	Fe 500	Fe 415	Fe 500
M25	40 X DIA	50 X DIA	35 X DIA	40 X DIA
M30	38 X DIA	46 X DIA	30 X DIA	37 X DIA
M35	34 X DIA	40 X DIA	27 X DIA	32 X DIA
M40 & ABOVE	30 X DIA	36 X DIA	25 X DIA	30 X DIA

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DESIGN BY:	NISHANT		
CHKD BY:	NISHANT		
SCALE:	N.T.S.		

CLIENT :- R GATE INFRA PROJECTS

ARCHITECT :- AR. PANKAJ JAIN

JOB TITLE :- ISHAAN ATULYAM

LOCATION :- UDAIPUR

SHEET TITLE :- R.C.C. PLAN FOR FOUNDATION LEVEL
SHOWING BOTTOM EXTRA REINFORCEMENT

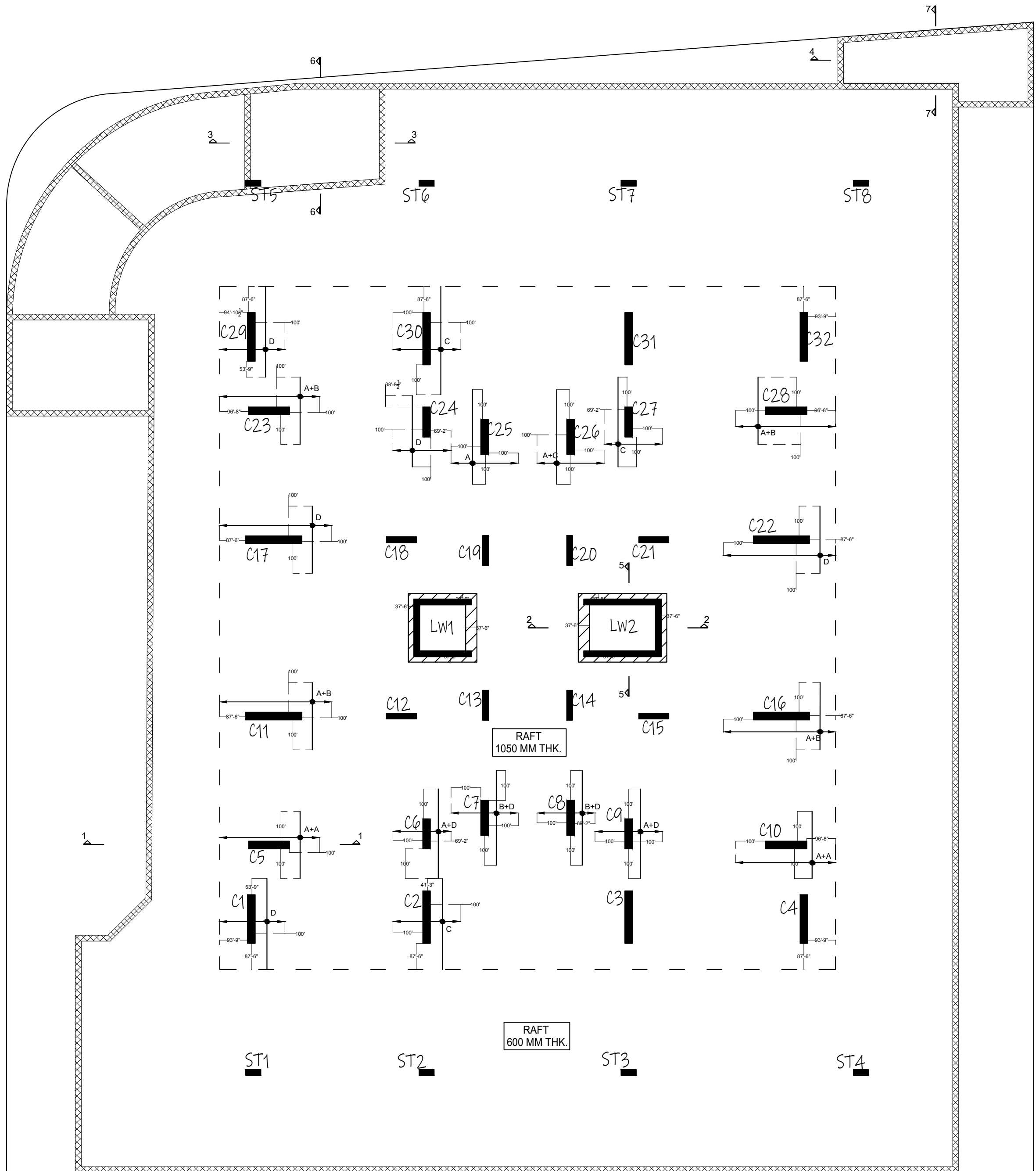
JOB NO :- J-306

DWG NO :- 03



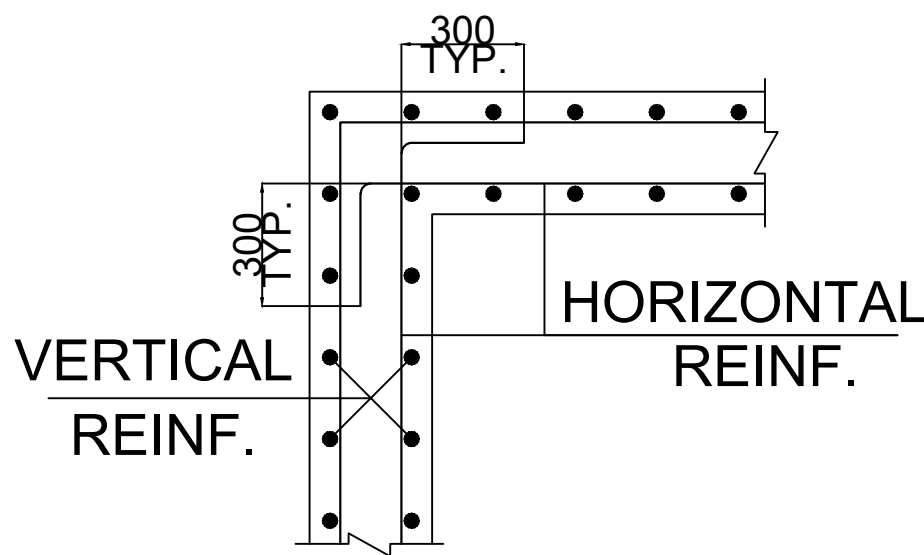
GIRNAR STRUCTURAL
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RCC PLAN@ FOUNDATION LEVEL

(SHOWING BOTTOM EXTRA REINFORCEMENT IN 'Y' DIRECTION AFTER THROUGHOUT STEEL)

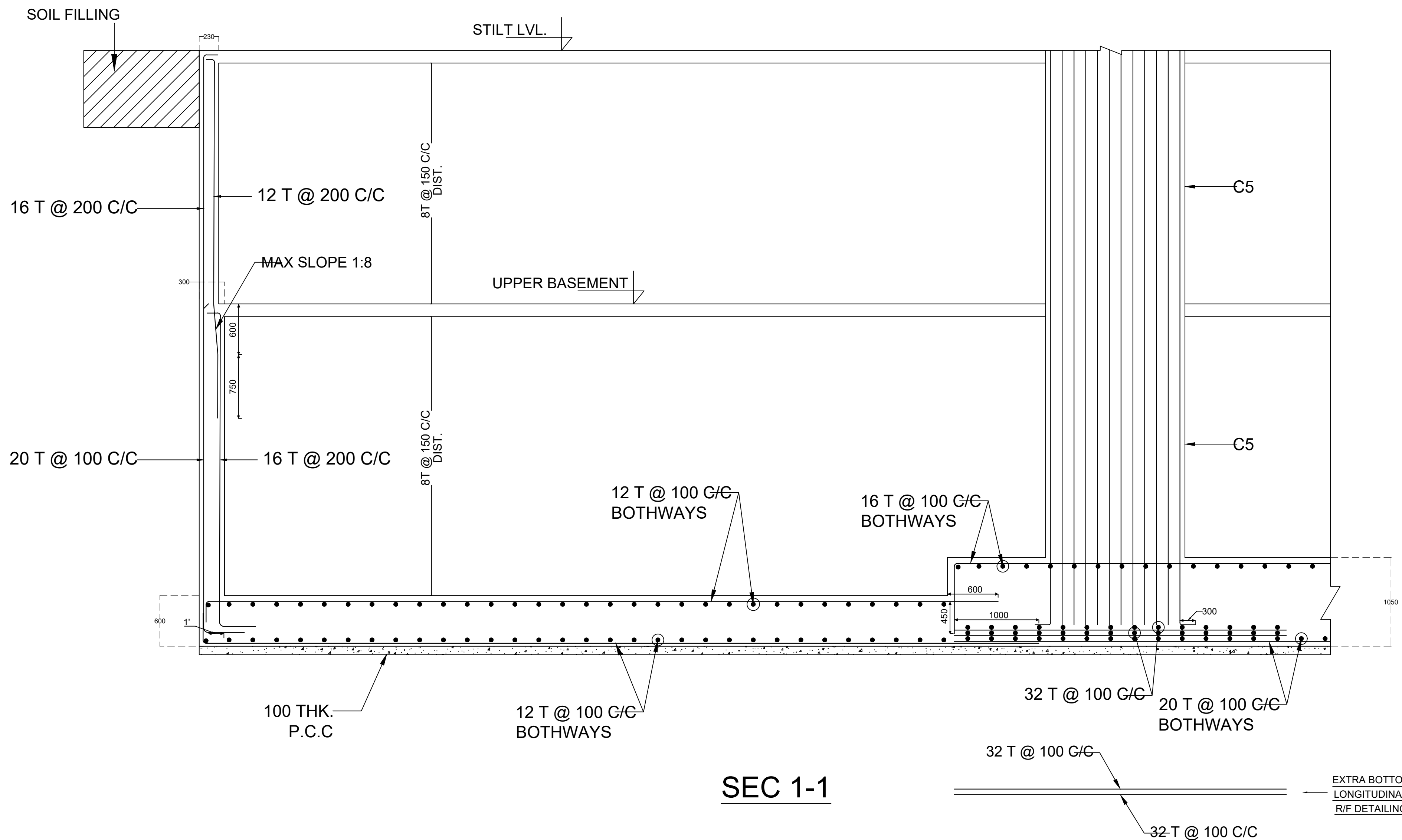


TYP. JUNCTION DETAIL
AT "L" CORNER OF RETAINING WALL

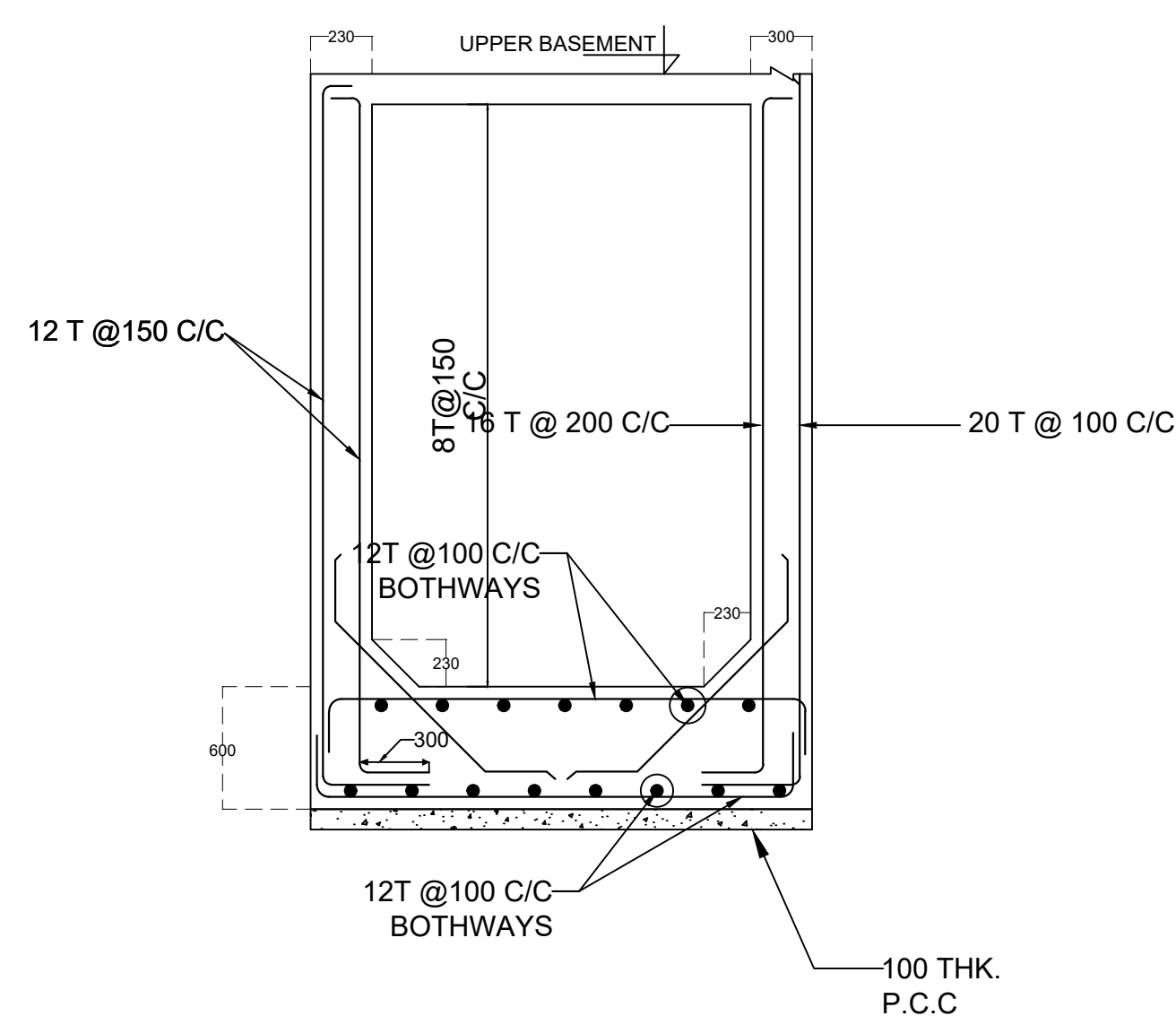
	FOLD IN RAFT
	RAFT THK. REDUCED LINE
	INDICATES BOTTOM EXTRA BARS
	RETAINING WALL

SCHEDULE OF EXTRA REINFORCEMENT

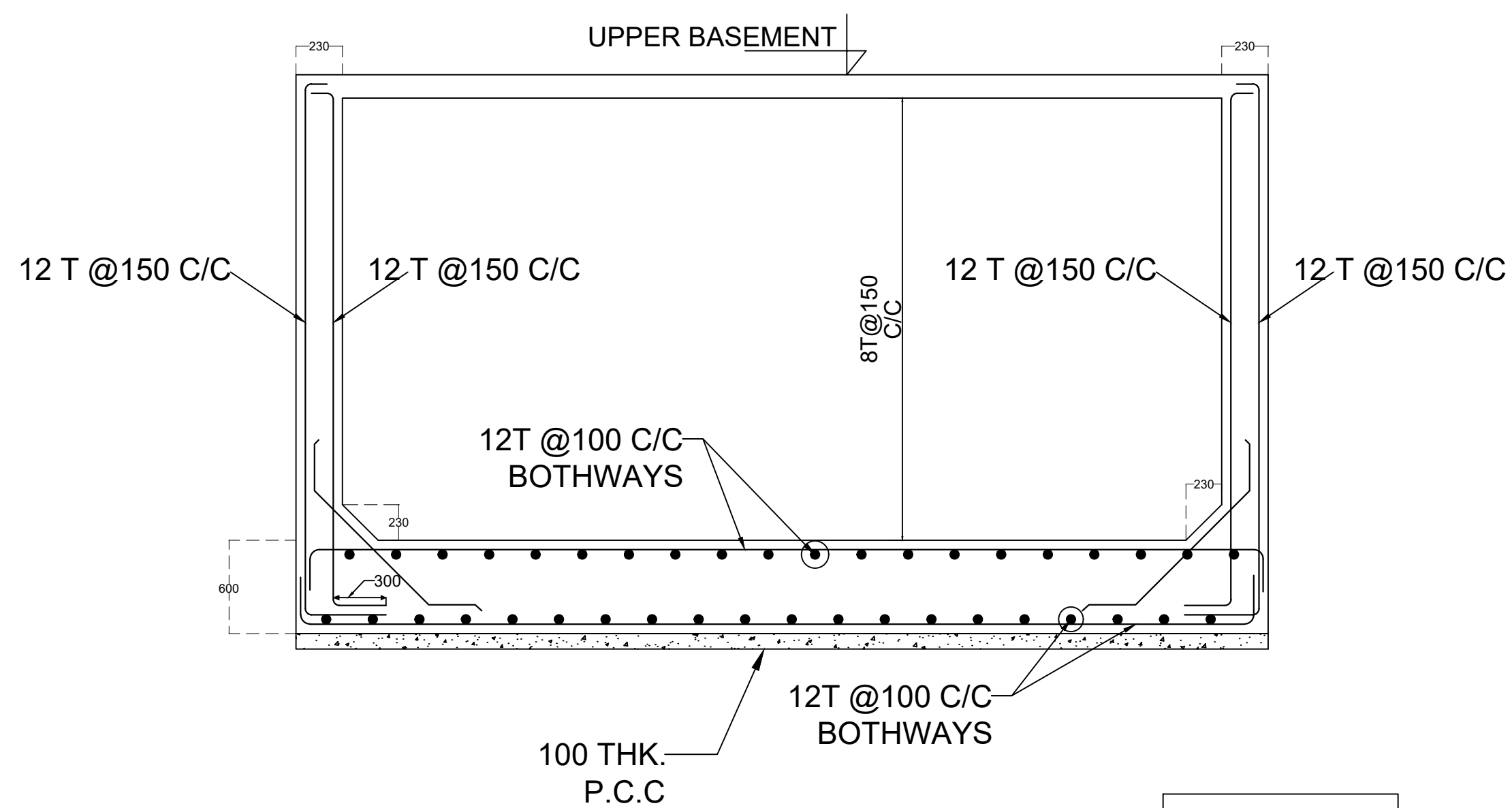
BAR MKD.	REINFORCEMENT	REMARK
IN 'Y' DIRECTION		
A	32T @ 100MM c/c.	BOTTOM EXTRA
B	25T @ 100MM c/c.	BOTTOM EXTRA
C	20T @ 100MM c/c.	BOTTOM EXTRA
D	16T @ 100MM c/c.	BOTTOM EXTRA
E	12T @ 100MM c/c.	BOTTOM EXTRA



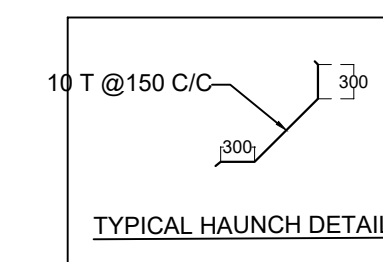
SEC 1-1



SEC - 7-7

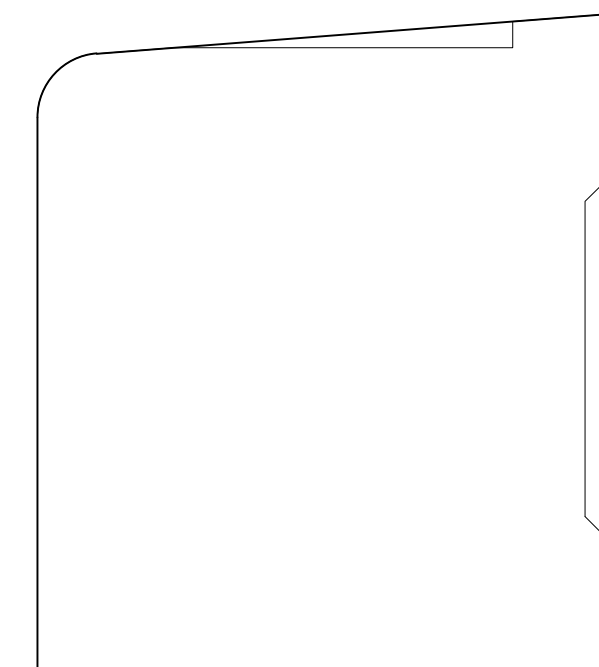


SEC - 3-3



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CHARTERED ENGINEER AND
STRUCTURAL CONSULTANTS

ISHAAN ATULYAM



KEY PLAN

NOTES :-

- CONC. MIX. AS SPECIFIED / WEIGH BATCHING ONLY .
FOR COLUMN - M40 & RAFT FOOTING: M30
FOR RAFT COLUMN JUNCTION AS PER RAFT
- CEMENT O . P . C . 53 / P . P . C . GRADE ONLY .
- W / C RATIO 0.45
- CLEAR COVER TO MAIN R / F :-
FOOTING.....50 MM. RETAINING WALL.....25 MM.
COLUMN...40 MM BEAM... 25 MM SLAB... 15 MM
- P . C . C . (150) 1 : 4 : 8 MUST BE LAID BELOW FOUNDATION .
- ALL STEEL CONFORMING TO I . S . 1786 / Fe 500 FOR COLUMN AND REST Fe 500.
- COLUMN LINKS MUST BE PROVIDE AT JUNCTION OF COLUMN & BEAM .
- CENTER OF LAP OF COLUMN SHALL BE AT CENTER OF FLOOR HEIGHT .
- NOT MORE THAN 50% STEEL TO BE LAPPED AT ANY SECTION FOR COLUMN .
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AND SHOULD KEPT UNDER PRIOR SUPERVISION OF SITE ENGINEER .
- * = DIMENSION TO BE CONFIRM @ SITE
- * SBC ASSUMED - 40 T/M²

LAP LENGTH TABLE :-				
CONCRETE MIX	BEAM / SLAB		COLUMN	
	Fe 415	Fe 500	Fe 415	Fe 500
M25	40 X DIA	50 X DIA	35 X DIA	40 X DIA
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M40 & ABOVE	30 X DIA	36 X DIA	25 X DIA	30 X DIA

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	NAME	DATE	REV. NO :- R0
DRN BY :	HARISH		
DESIGN BY:	NISHANT	24/04/2024	
CHKD BY:	NISHANT		
SCALE:	N.T.S.		

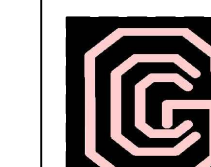
CLIENT :- R GATE INFRA PROJECTS

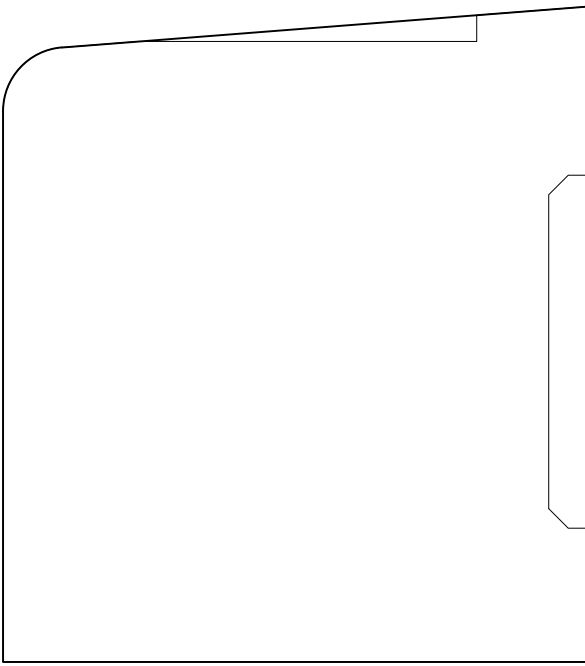
ARCHITECT :- AR. PANKAJ JAIN

JOB TITLE :- ISHAAN ATULYAM
LOCATION :- UDAIPUR

SHEET TITLE :- R.C.C. PLAN FOR FOUNDATION LEVEL
SECTION DETAILS

JOB NO :- J-306 DWG NO :- 04

 **GIRNAR STRUCTURAL CONSULTANTS.**
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KEY PLAN

NOTES :-

- * CONC. MIX. AS SPECIFIED / WEIGH BATCHING ONLY .
- FOR COLUMN - M40 & RAFT FOOTING: M30
- FOR RAFT COLUMN JUNCTION AS PER RAFT
- * CEMENT O . P . C . 53 / P . P . C . GRADE ONLY .
- * W / C . RATIO 0.45 .
- * CLEAR COVER TO MAIN R / F :-
- FOOTING.....50 MM. RETAINING WALL.....25 MM.
- COLUMN...40 MM BEAM... 25 MM SLAB... 15 MM
- * P . C . C . (150) 1 : 4 : 8 MUST BE LAID BELOW FOUNDATION .
- * ALL STEEL CONFIRMING TO I . S . 1786 / Fe 500 FOR COLUMN AND REST Fe 500 .
- * COLUMN LINKS MUST BE PROVIDE AT JUNCTION OF COLUMN & BEAM .
- * CENTER OF LAP OF COLUMN SHALL BE AT CENTER OF FLOOR HEIGHT .
- * NOT MORE THAN 50% STEEL TO BE LAPPED AT ANY SECTION FOR COLUMN .
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- * **= DIMENSION TO BE CONFIRM @ SITE
- * SBC ASSUMED - 40 T/M²

LAP LENGTH TABLE :-

CONCRETE MIX.	BEAM / SLAB		COLUMN	
	Fe 415	Fe 500	Fe 415	Fe 500
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M35	34 X DIA	40 X DIA	27 X DIA	32 X DIA
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DESIGN BY:	NISHANT		
CHKD BY:	NISHANT		
SCALE:	N.T.S.		

CLIENT :- R GATE INFRA PROJECTS

ARCHITECT :- AR. PANKAJ JAIN

JOB TITLE :- ISHAAN ATULYAM

LOCATION :- UDAIPUR

SHEET TITLE :- R.C.C. PLAN FOR FOUNDATION LEVEL
SECTION DETAILS

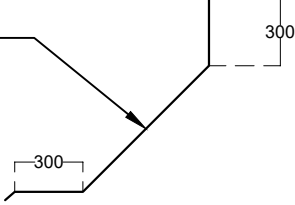
JOB NO :- J-306 DWG NO :- 05



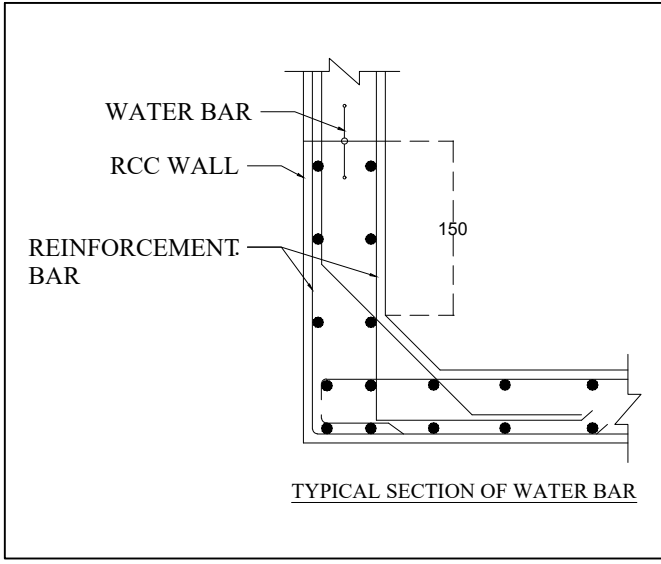
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10 T @150 C/C



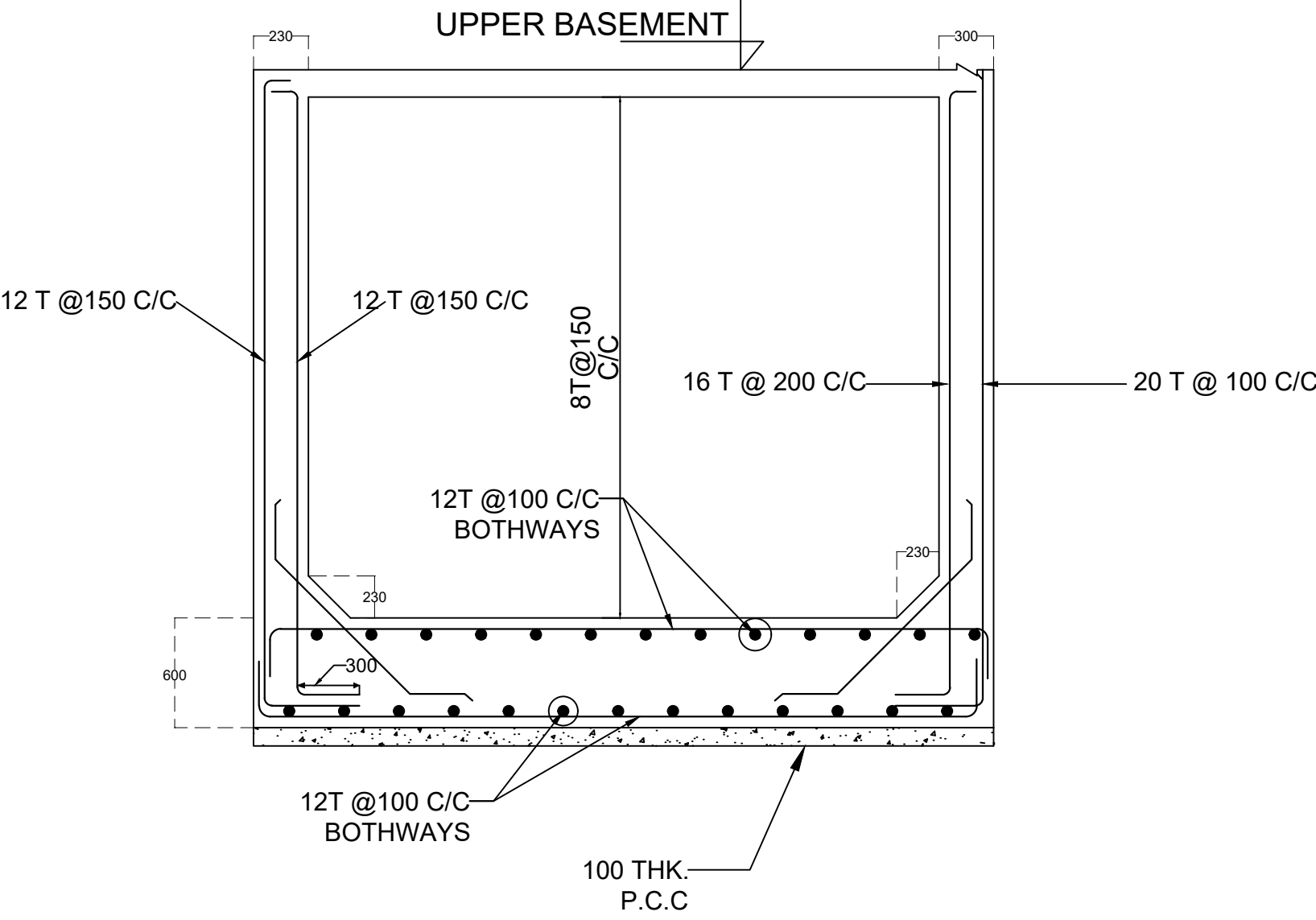
TYPICAL HAUNCH DETAIL



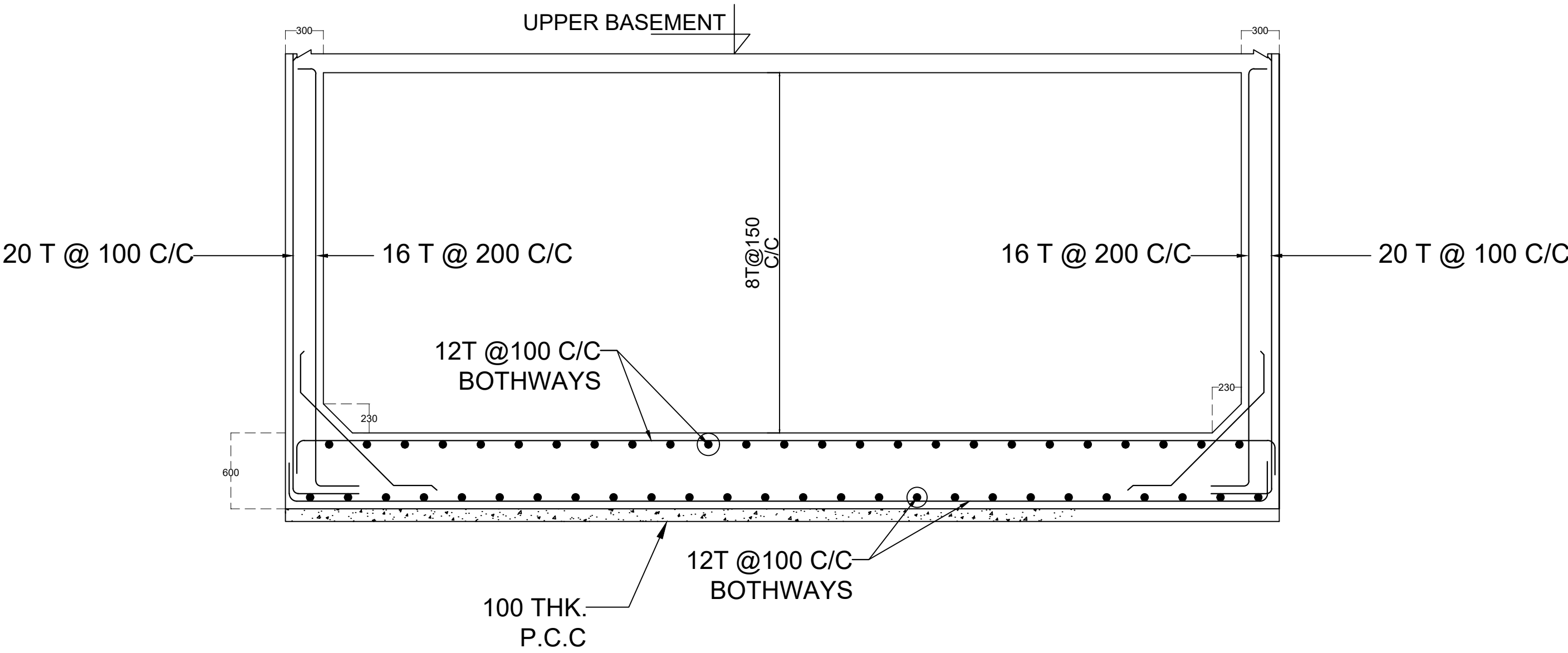
TYPICAL SECTION OF WATER BAR

- * NOTE :- 1) MUST ADD CRYSTALLINE WATER PROOFING COMPOUND IN CONCRETE MIX RATIO i.e. 3KG CRYSTALLINE COMPOUND / CUM OF CONCRETE.
- 2) WATER BAR SHOULD BE PLACED AT CONSTRUCTION JOINT OF SLAB AND WALL WHOSE TYPICAL SECTION HAS BEEN SHOWN BELOW.

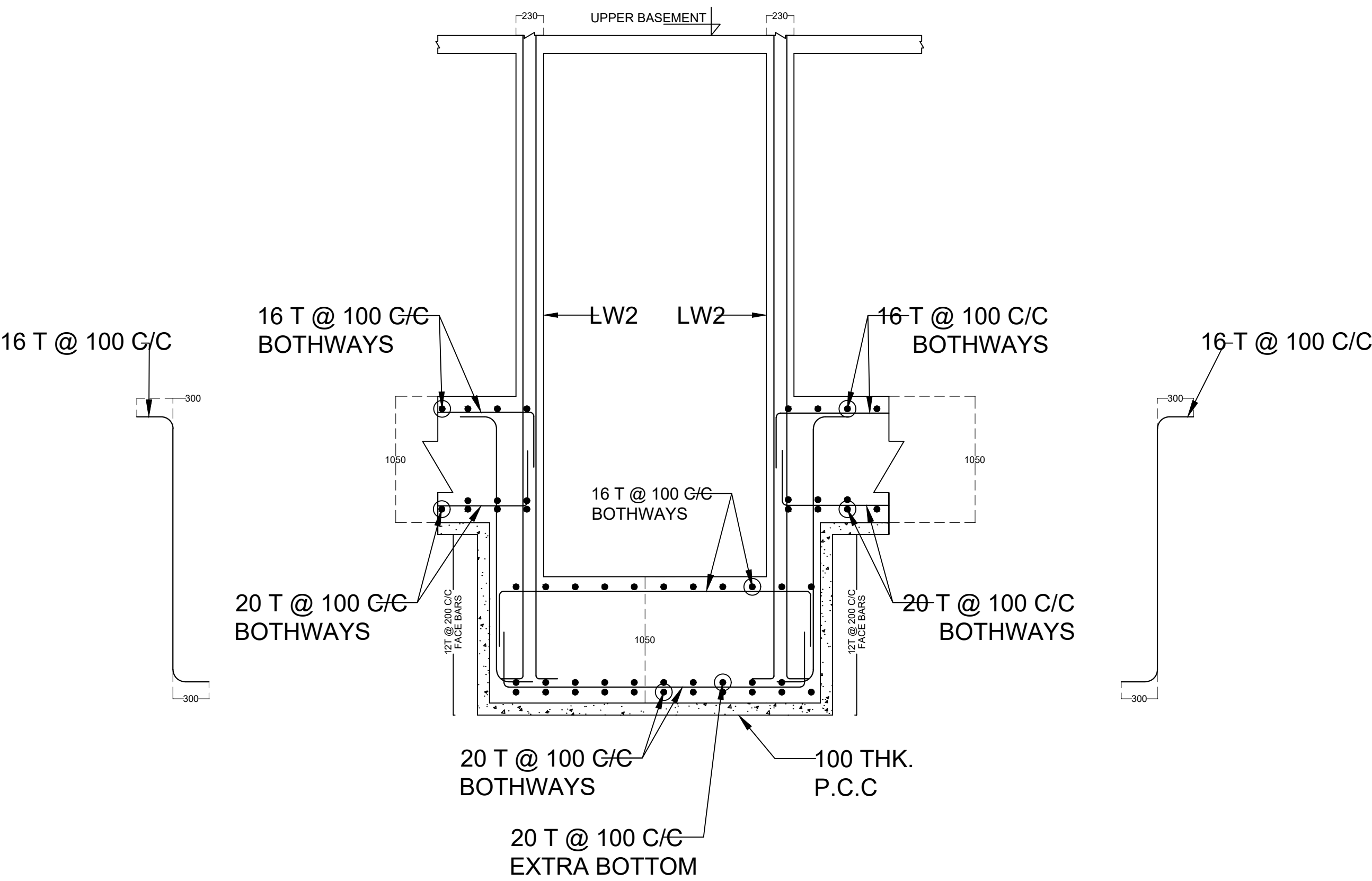
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CHARTERED ENGINEER AND
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SEC - 6-6

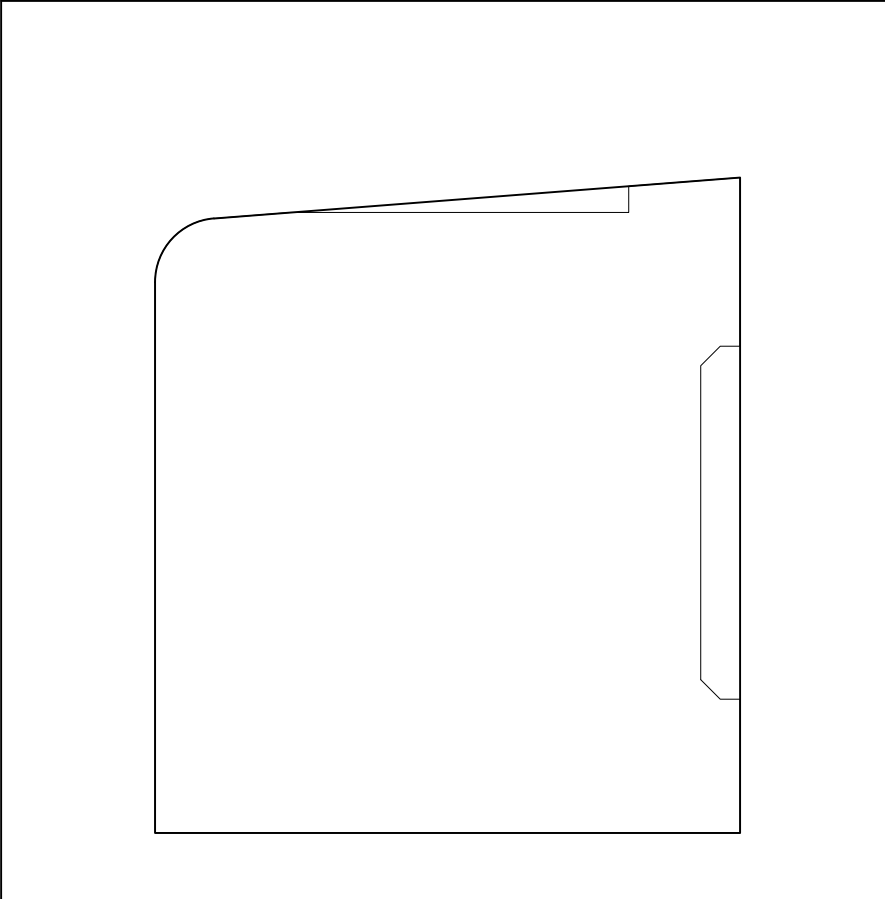


SEC - 4-4



SEC 5-5

ISHAAN ATULYAM



NOTES :-

* CONC. MIX. AS SPECIFIED / WEIGH BATCHING ONLY.

- FOR COLUMN - M40 & RAFT FOOTING: M30
- FOR RAFT COLUMN JUNCTION AS PER RAFT
- * CEMENT O. P. C. 53 / P. C. GRADE ONLY .
- * W / C RATIO 0.45.
- * CLEAR COVER TO MAIN R / F :-
- FOOTING.....50 MM. RETAINING WALL.....25 MM.
- COLUMN..40 MM. BEAM.....25 MM. SLAB.....15 MM
- * P. C. C. (150) 1:4:8 MUST BE LAID BELOW FOUNDATION .
- * ALL STEEL CONFORMING TO I. S. 1786 / Fe 550 FOR COLUMN AND REST Fe 500.
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CONCRETE MIX.	BEAM / SLAB		COLUMN	
	Fe 415	Fe 500	Fe 415	Fe 500
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DESIGN BY:	NISHANT		
CHKD BY:	NISHANT		
SCALE:	N.T.S.		

CLIENT :- R GATE INFRA PROJECTS

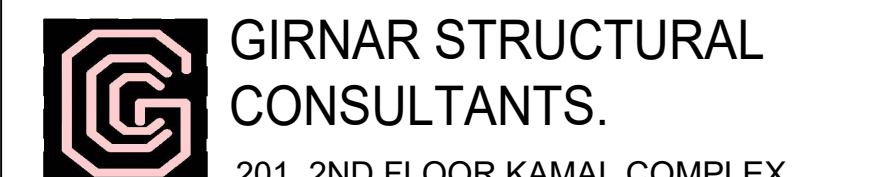
ARCHITECT :- AR. PANKAJ JAIN

JOB TITLE :- ISHAAN ATULYAM

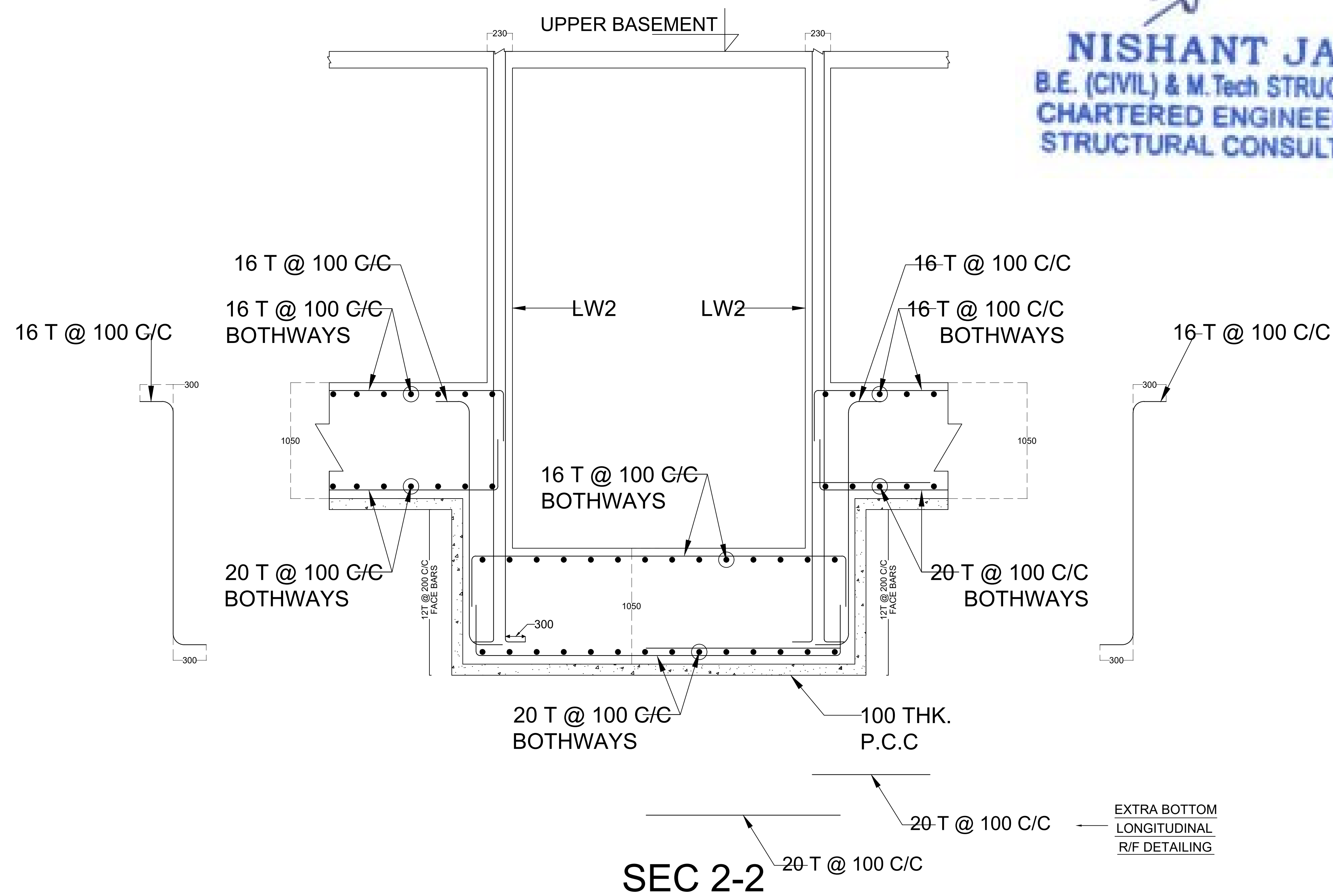
LOCATION :- UDAIPUR

SHEET TITLE :-	R.C.C. PLAN FOR FOUNDATION LEVEL SECTION DETAILS
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JOB NO :-	J-306	DWG NO :-	06
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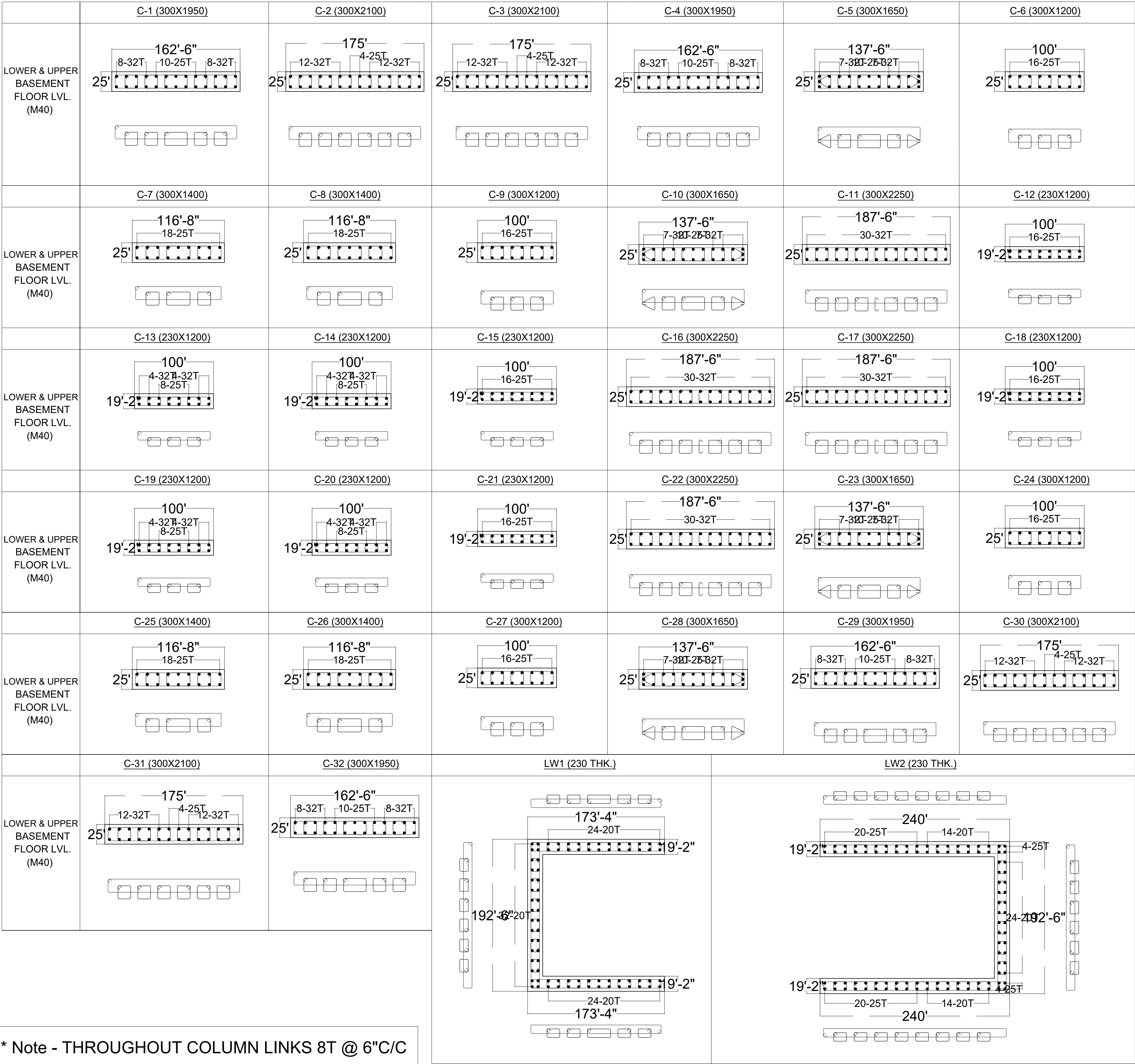


201, 2ND FLOOR KAMAL COMPLEX
GULAB BAGH ROAD,UDAIPUR-313001
TEL:- 0294-2410551/9975392332
E-mail :- nishantjain.1990@gmail.com



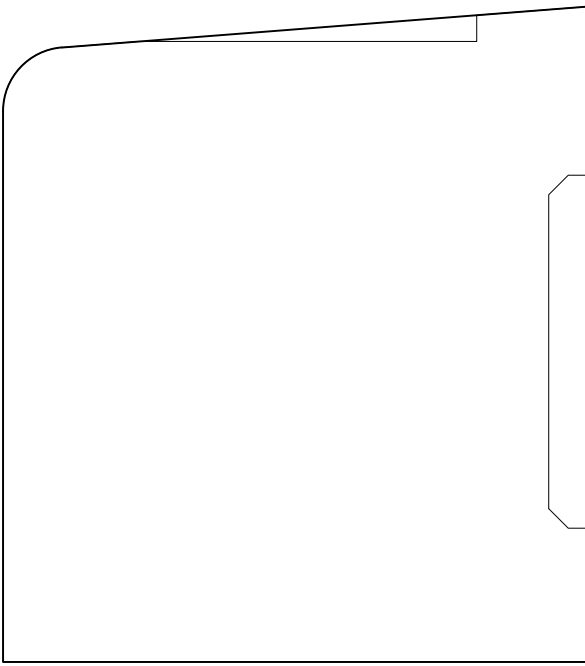
LOWER AND UPPER BASEMENT LEVEL

COLUMN LINK DETAIL :-



* Note - THROUGHOUT COLUMN LINKS 8T @ 6"C/C

ISHAAN ATULYAM



KEY PLAN

NOTES :-

- CONG. MIX. AS SPECIFIED / WEIGH BATCHING ONLY .
- FOR COLUMN - M40 & RAFT FOOTING: M30
- FOR RAFT COLUMN JUNCTION AS PER RAFT
- CEMENT O . P . C . 53 / P . P . C . GRADE ONLY .
- W / C RATIO 0.45 .
- CLEAR COVER TO MAIN R / F :-
- FOOTING.....50 MM. RETAINING WALL.....25 MM.
- COLUMN...40 MM BEAM... 25 MM SLAB... 15 MM
- P . C . C . (150) 1 : 4 : 8 MUST BE LAID BELOW FOUNDATION .
- ALL STEEL CONFIRMING TO I . S . 1786 / Fe 550 FOR COLUMN AND REST Fe 500 .
- COLUMN LINKS MUST BE PROVIDE AT JUNCTION OF COLUMN & BEAM .
- CENTER OF LAP OF COLUMN SHALL BE AT CENTER OF FLOOR HEIGHT .
- NOT MORE THAN 50% STEEL TO BE LAPPED AT ANY SECTION FOR COLUMN .
- THIS DRAWING SHOULD BE READ CONJUNCTION WITH RELEVANT ARCHITECT DRAWING
- ALL DIMENSION SHOULD BE CONFIRMED WITH ARCHITECT DRAWING .
- FORMWORK & SUPPORTING SYSTEM IS SOLE RESPONSIBILITY OF CONTRACTOR AND SHOULD KEPT UNDER PRIOR SUPERVISION OF SITE ENGINEER .
- **= DIMENSION TO BE CONFIRM @ SITE
- SBC ASSUMED - 40 T/M²

LAP LENGTH TABLE :-

CONCRETE MIX.	BEAM / SLAB		COLUMN	
	Fe 415	Fe 500	Fe 415	Fe 500
M25	40 X DIA	50 X DIA	35 X DIA	40 X DIA
M30	38 X DIA	46 X DIA	30 X DIA	37 X DIA
M35	34 X DIA	40 X DIA	27 X DIA	32 X DIA
M40 & ABOVE	30 X DIA	36 X DIA	25 X DIA	30 X DIA

REV	DATE	REVISION NOTE

PURPOSE OF ISSUE :- VALID FOR APPROVAL
DATE:- 24/04/2024

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DRN BY :	HARISH	24/04/2024	
DESIGN BY:	NISHANT		
CHKD BY:	NISHANT		
SCALE:	N.T.S.		

CLIENT :- R GATE INFRA PROJECTS

ARCHITECT :- AR. PANKAJ JAIN

JOB TITLE :- ISHAAN ATULYAM
LOCATION :- UDAIPUR

SHEET TITLE :- COLUMN LINK DETAILS

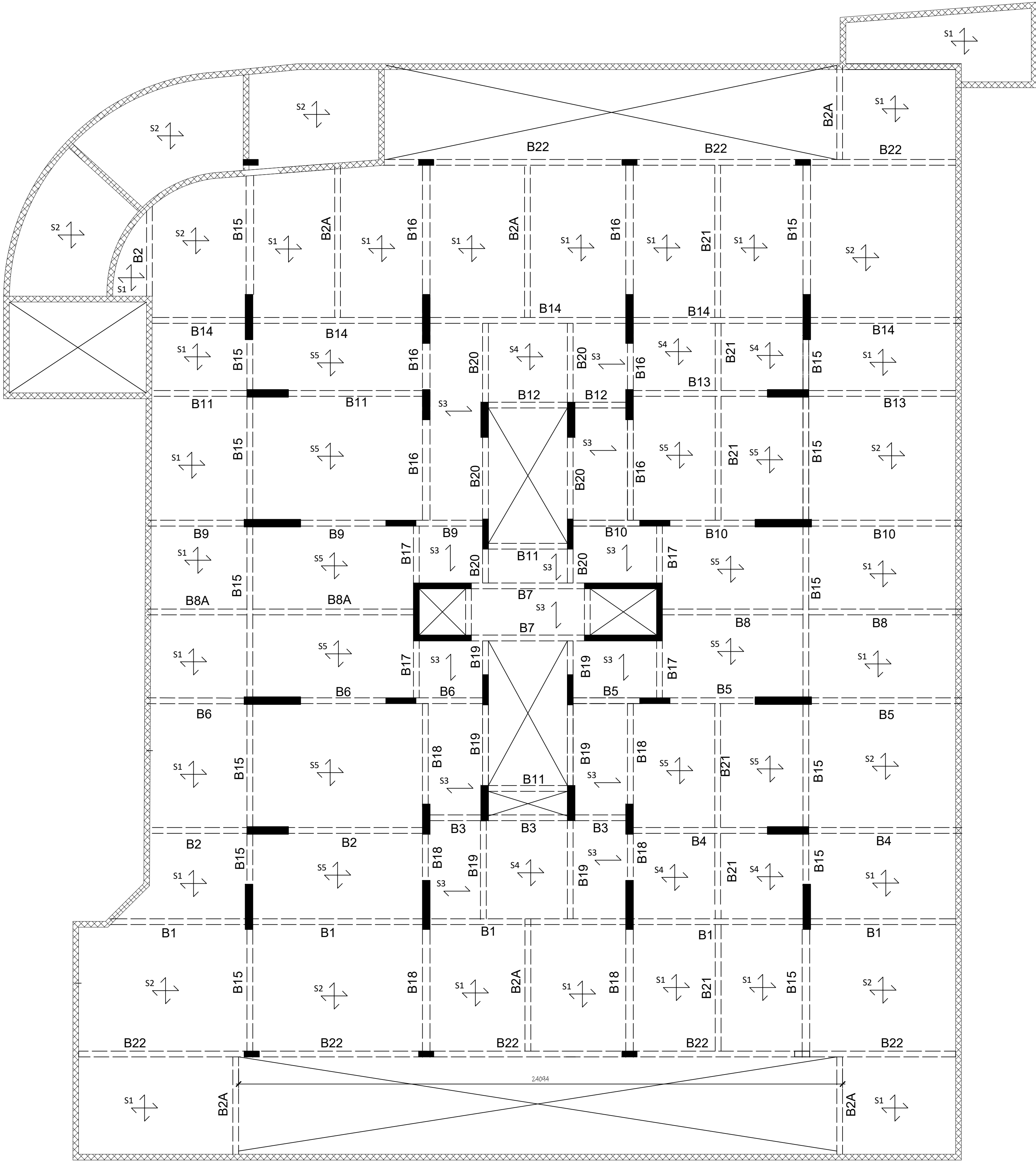
JOB NO :- J-306 DWG NO :- 07



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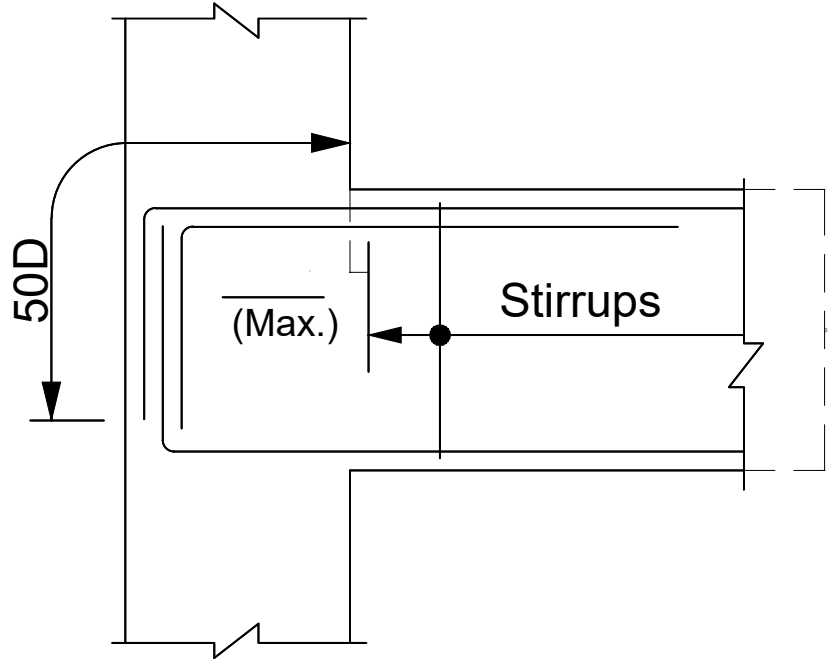
201, 2ND FLOOR KAMAL COMPLEX
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E-mail :- nishantjain.1990@gmail.com

Nishant Jain
NISHANT JAIN
B.E. (CIVIL) & M.Tech STRUCTURES
CHARTERED ENGINEER AND
STRUCTURAL CONSULTANTS



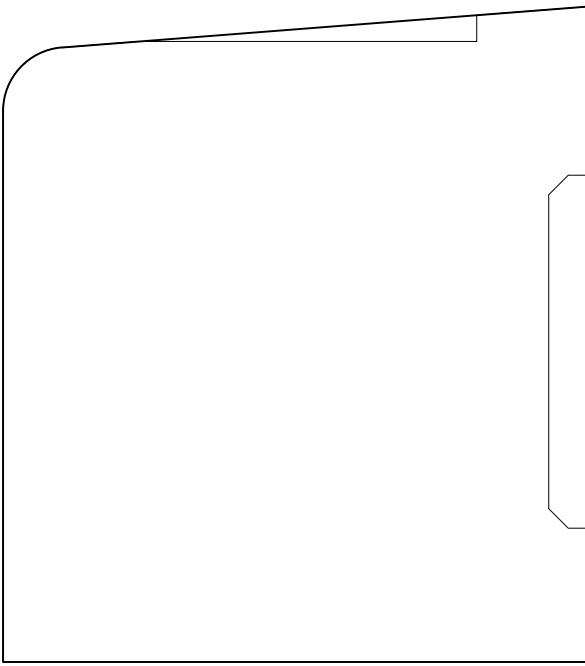
Nishant Jain
NISHANT JAIN
B.E. (CIVIL) & M.Tech STRUCTURES
CHARTERED ENGINEER AND
STRUCTURAL CONSULTANTS

STILT FLOOR SLAB						
SLAB NO.	THICKNESS	MAIN STEEL		SECONDARY STEEL		REMARKS
		T/φ	SPACING	T/φ	SPACING	
S1	150	10φ	100	10φ	150	TWO WAY
S2	150	10φ	100	10φ	100	TWO WAY
S3	150	8φ	150	8φ	8"	ONE WAY
S4	150	8φ	100	8φ	200	TWO WAY
S5	150	10φ	125	10φ	175	TWO WAY



Typical Details Of Beam
At Column Junction

ISHAAN ATULYAM



KEY PLAN

- NOTES :-
- * CONG. MIX. AS SPECIFIED / WEIGH BATCHING ONLY .
FOR COLUMN - M40 & RAFT FOOTING: M30
FOR BEAM & SLAB - M25
 - * CEMENT O . P . C . 53 / P . P . C . GRADE ONLY .
 - * W / C . RATIO 0.45.
 - * CLEAR COVER TO MAIN R / F :-
FOOTING.....50 MM. RETAINING WALL.....25 MM.
COLUMN...40 MM BEAM... 25 MM SLAB... 15 MM
 - * P . C . C . (150) 1 : 4 : 8 MUST BE LAID BELOW FOUNDATION .
 - * ALL STEEL CONFIRMING TO I . S . 1786 / Fe 550 FOR COLUMN AND REST Fe 500.
 - * COLUMN LINKS MUST BE PROVIDE AT JUNCTION OF COLUMN & BEAM .
 - * CENTER OF LAP OF COLUMN SHALL BE AT CENTER OF FLOOR HEIGHT .
 - * NOT MORE THAN 50% STEEL TO BE LAPPED AT ANY SECTION FOR COLUMN.
 - * THIS DRAWING SHOULD BE READ CONJUNCTION WITH RELEVANT ARCHITECT DRAWING
 - * ALL DIMENSION SHOULD BE CONFIRMED WITH ARCHITECT DRAWING.
 - * FORMWORK & SUPPORTING SYSTEM IS SOLE RESPONSIBILITY OF CONTRACTOR
AND SHOULD KEPT UNDER PRIOR SUPERVISION OF SITE ENGINEER.
 - * **= DIMENSION TO BE CONFIRM @ SITE

CONCRETE MIX.	BEAM / SLAB		COLUMN	
	Fe 415	Fe 500	Fe 415	Fe 500
M25	40 X DIA	50 X DIA	35 X DIA	40 X DIA
M30	38 X DIA	46 X DIA	30 X DIA	37 X DIA
M35	34 X DIA	40 X DIA	27 X DIA	32 X DIA
M40 & ABOVE	30 X DIA	36 X DIA	25 X DIA	30 X DIA

REV	DATE	REVISION NOTE

PURPOSE OF ISSUE :- VALID FOR APPROVAL
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	NAME	DATE	REV. NO :- R0
DRN BY :	HARISH	24/04/2024	
DESIGN BY:	NISHANT		
CHKD BY:	NISHANT		
SCALE:	N.T.S.		

CLIENT :- R GATE INFRA PROJECTS

ARCHITECT :- AR. PANKAJ JAIN

JOB TITLE :- ISHAAN ATULYAM

LOCATION :- UDAIPUR

SHEET TITLE :- RCC PLAN FOR UPPER BASEMENT LEVEL

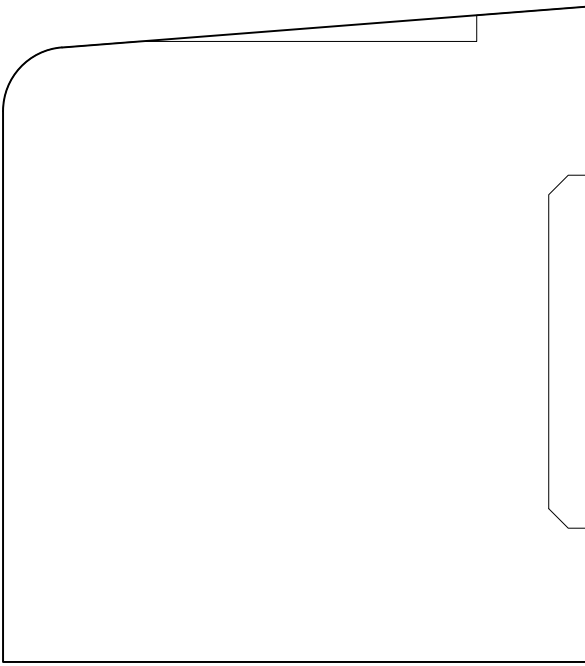
JOB NO :- J-306

DWG NO :- 08



**GIRNAR STRUCTURAL
CONSULTANTS.**

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TEL:- 0294-2410551/9975392332
E-mail :- nishantjain.1990@gmail.com



KEY PLAN

NOTES :-

- * CONG. MIX. AS SPECIFIED / WEIGH BATCHING ONLY .
- * FOR COLUMN - M40 & RAFT FOOTING: M30
- * FOR BEAM & SLAB - M25
- * CEMENT O . P . C . 53 / P . P . C . GRADE ONLY .
- * W / C RATIO 0.45 .
- * CLEAR COVER TO MAIN R / F :-
- * FOOTING.....50 MM. RETAINING WALL.....25 MM.
- * COLUMN...40 MM BEAM... 25 MM SLAB... 15 MM
- * P . C . C . (150) 1 : 4 : 8 MUST BE LAID BELOW FOUNDATION .
- * ALL STEEL CONFIRMING TO I . S . 1786 / Fe 550 FOR COLUMN AND REST Fe 500 .
- * COLUMN LINKS MUST BE PROVIDE AT JUNCTION OF COLUMN & BEAM .
- * CENTER OF LAP OF COLUMN SHALL BE AT CENTER OF FLOOR HEIGHT .
- * NOT MORE THAN 50% STEEL TO BE LAPPED AT ANY SECTION FOR COLUMN .
- * THIS DRAWING SHOULD BE READ CONJUNCTION WITH RELEVANT ARCHITECT DRAWING
- * ALL DIMENSION SHOULD BE CONFIRMED WITH ARCHITECT DRAWING .
- * FORMWORK & SUPPORTING SYSTEM IS SOLE RESPONSIBILITY OF CONTRACTOR AND SHOULD KEPT UNDER PRIOR SUPERVISION OF SITE ENGINEER .
- * **= DIMENSION TO BE CONFIRM @ SITE

LAP LENGTH TABLE :-

CONCRETE MIX.	BEAM / SLAB		COLUMN	
	Fe 415	Fe 500	Fe 415	Fe 500
M25	40 X DIA	50 X DIA	35 X DIA	40 X DIA
M30	38 X DIA	46 X DIA	30 X DIA	37 X DIA
M35	34 X DIA	40 X DIA	27 X DIA	32 X DIA
M40 & ABOVE	30 X DIA	36 X DIA	25 X DIA	30 X DIA

REV	DATE	REVISION NOTE

PURPOSE OF ISSUE :- VALID FOR APPROVAL
DATE:- 24/04/2024

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	NAME	DATE	REV. NO :- R0
DRN BY :	HARISH	24/04/2024	
DESIGN BY:	NISHANT		
CHKD BY:	NISHANT		
SCALE:	N.T.S.		

CLIENT :- R GATE INFRA PROJECTS

ARCHITECT :- AR. PANKAJ JAIN

JOB TITLE :- ISHAAN ATULYAM

LOCATION :- UDAIPUR

SHEET TITLE :- RCC PLAN FOR UPPER BASEMENT LEVEL

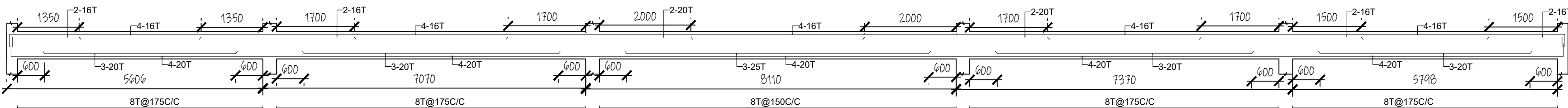
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DWG NO :- 09

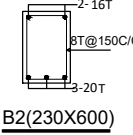


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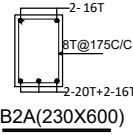
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TEL:- 0294-2410551/9975392332
E-mail :- nishantjain.1990@gmail.com



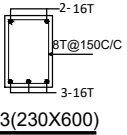
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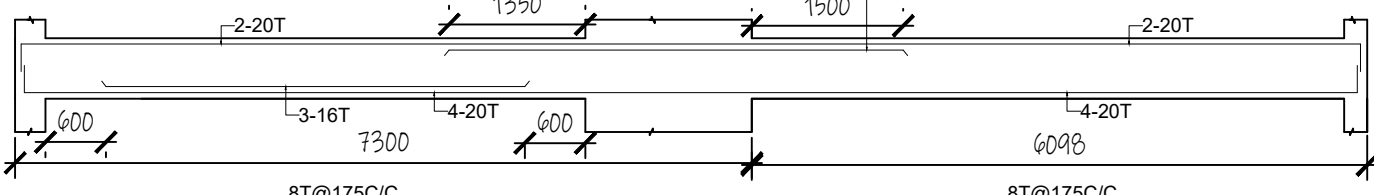
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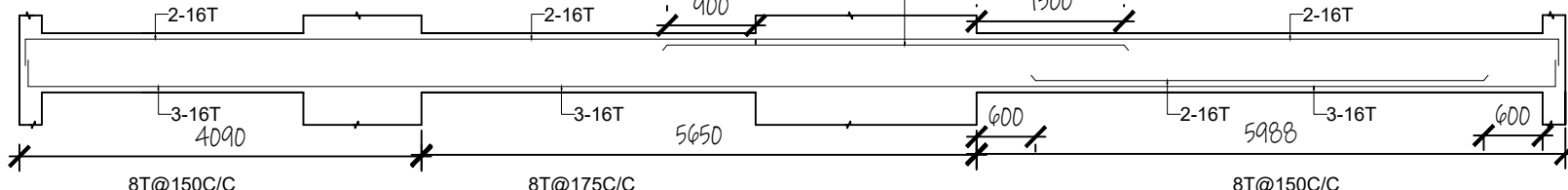
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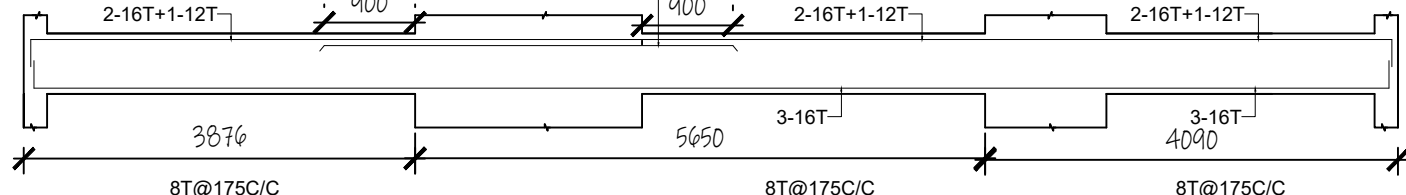
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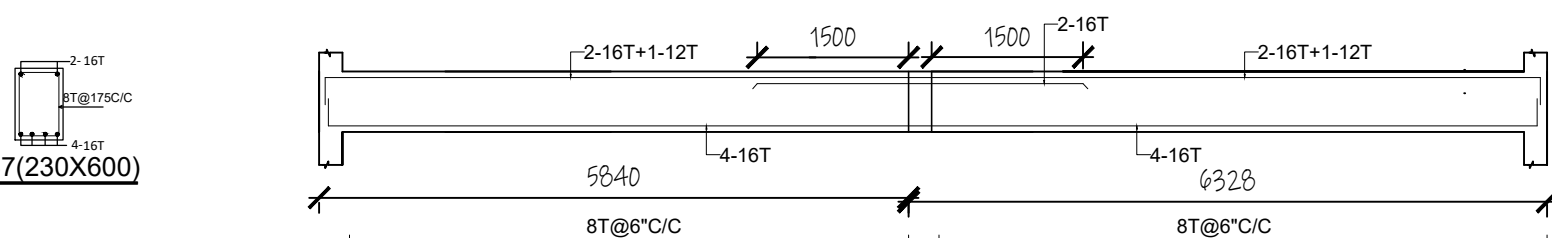
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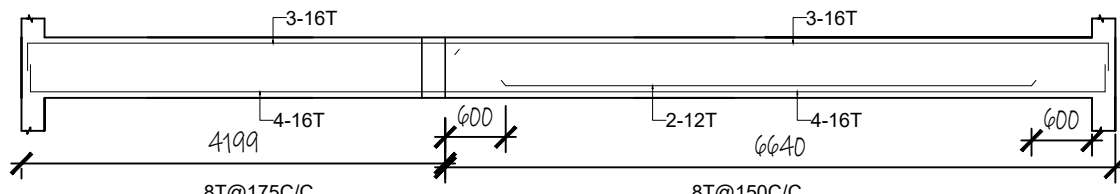


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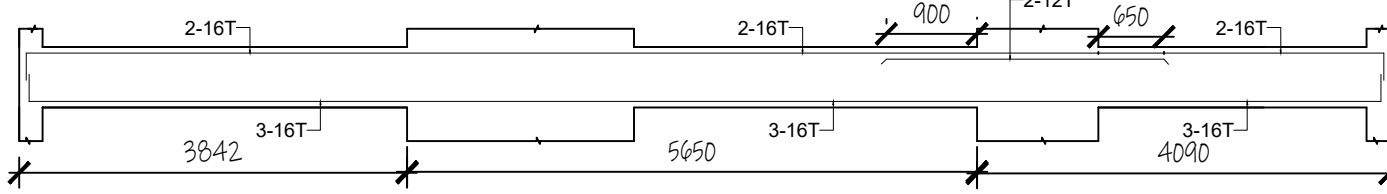


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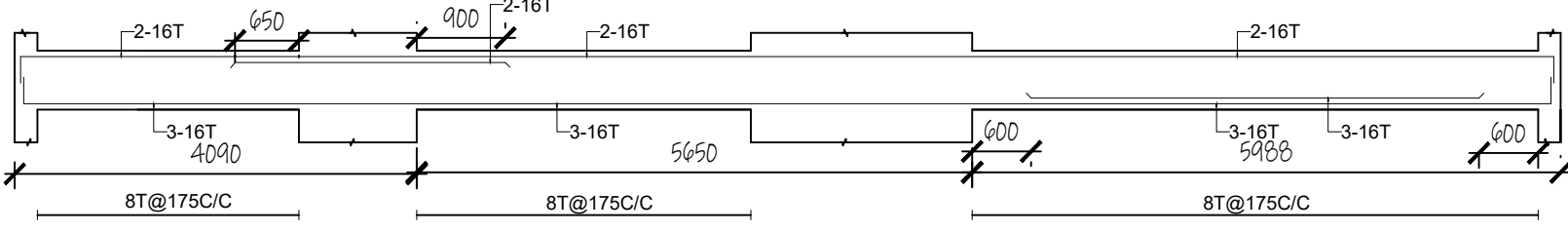
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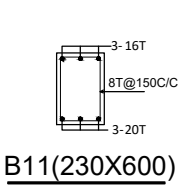
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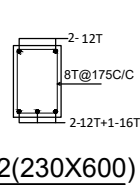
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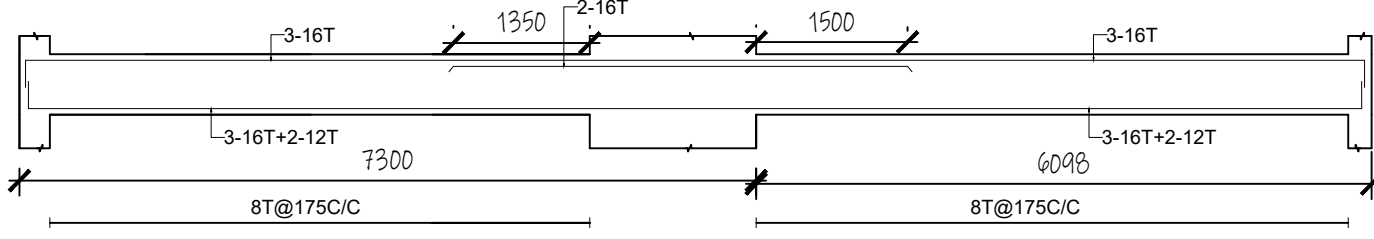
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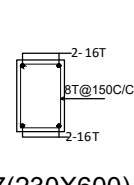
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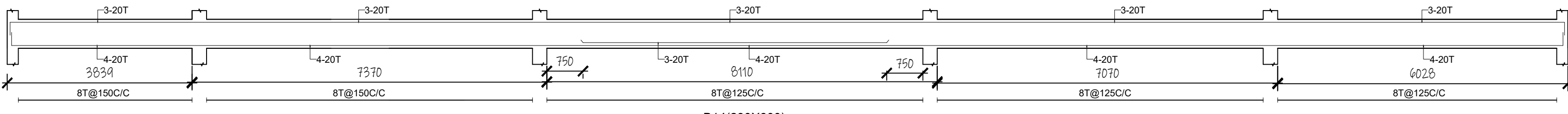
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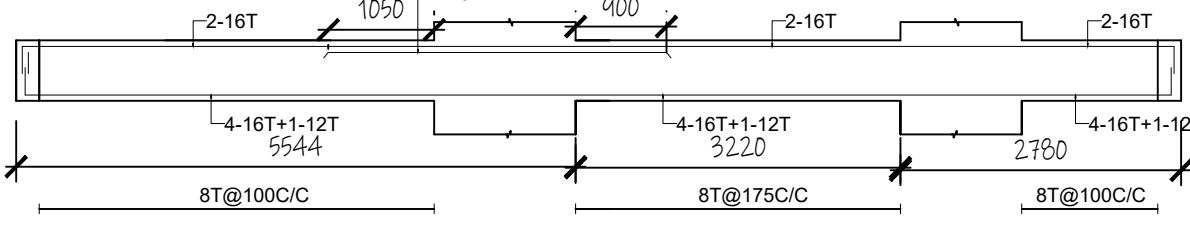
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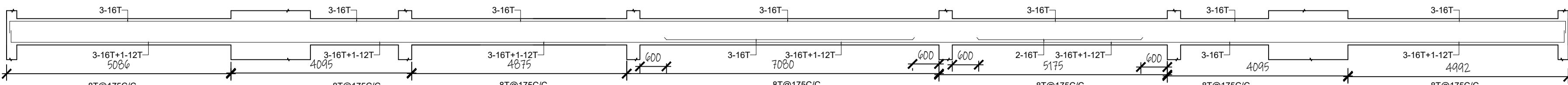
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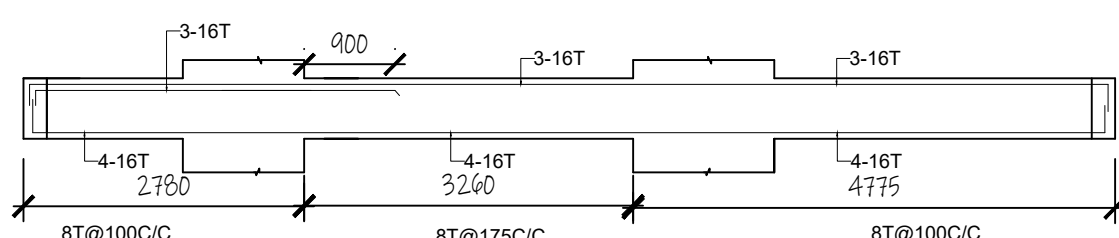
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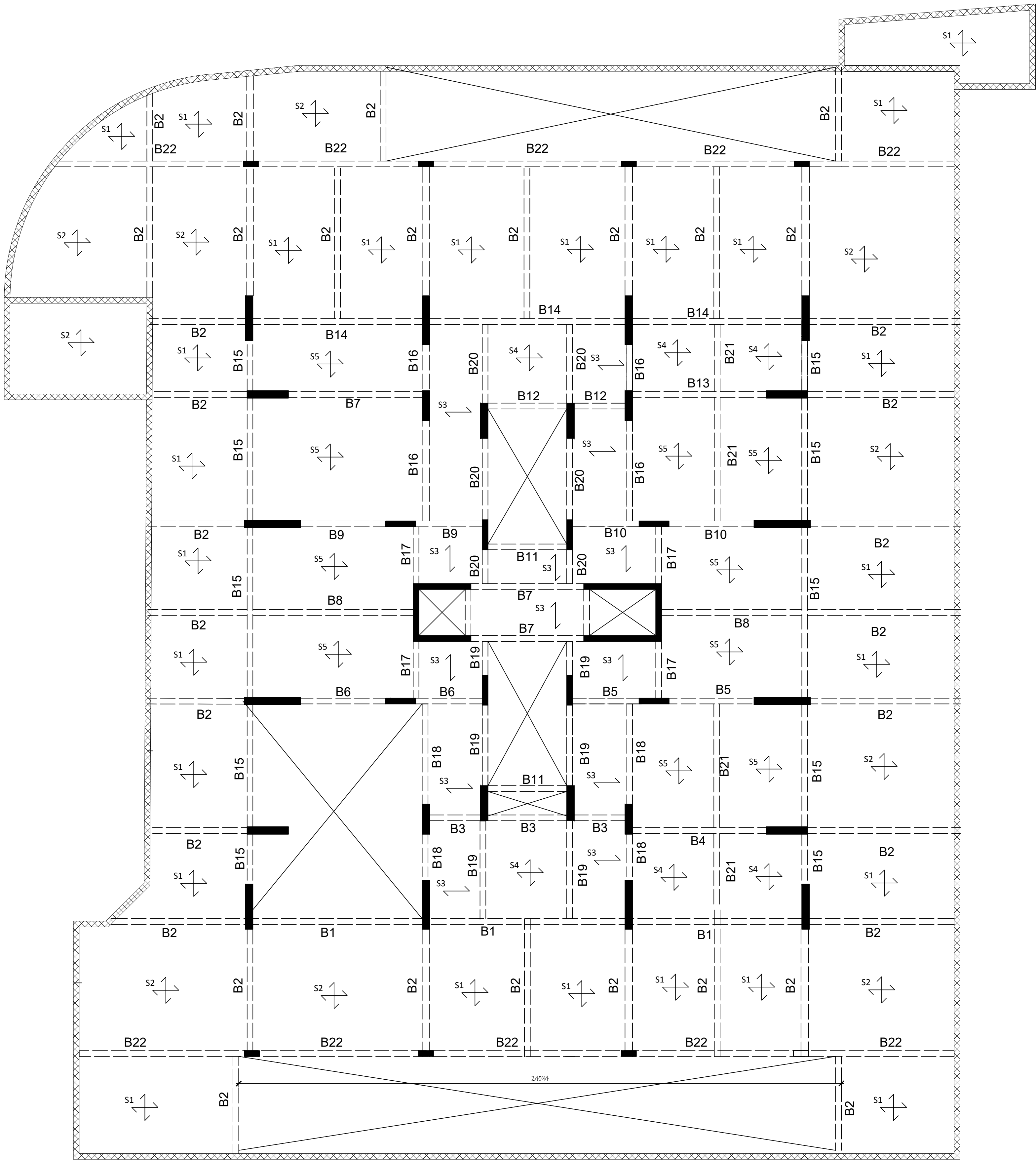
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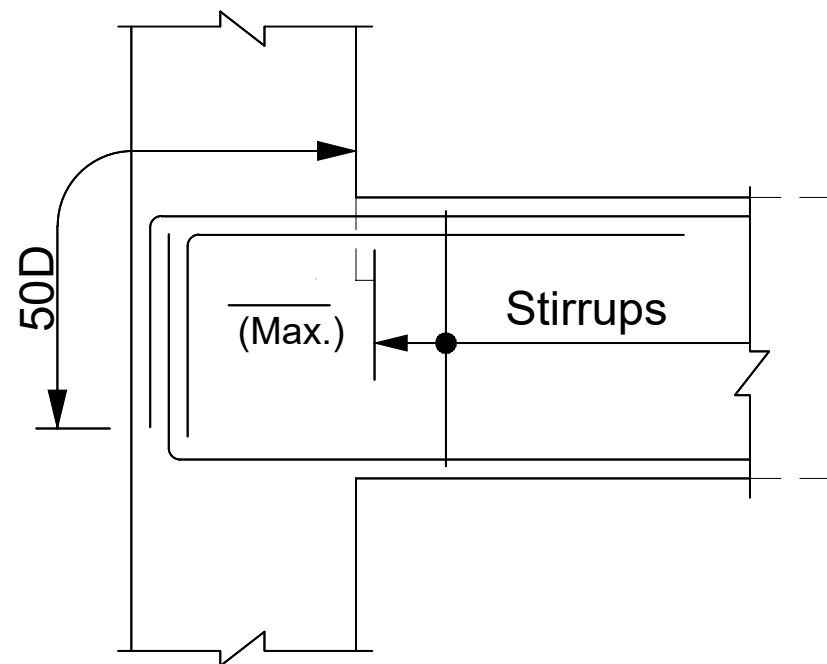


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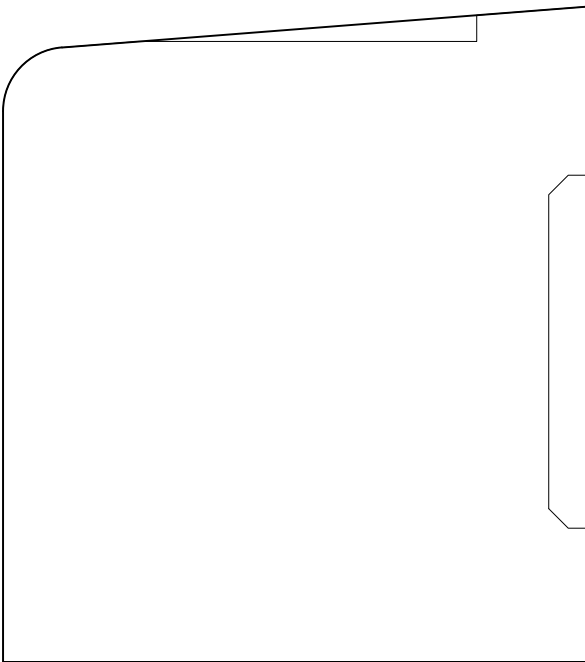
nishant jain
NISHANT JAIN
B.E. (CIVIL) & M.Tech STRUCTURES
CHARTERED ENGINEER AND
STRUCTURAL CONSULTANTS

STILT FLOOR SLAB						
SLAB NO.	THICKNESS	MAIN STEEL		SECONDARY STEEL		REMARKS
		T/φ	SPACING	T/φ	SPACING	
S1	150	10φ	100	10φ	150	TWO WAY
S2	150	10φ	100	10φ	100	TWO WAY
S3	150	8φ	150	8φ	8"	ONE WAY
S4	150	8φ	100	8φ	200	TWO WAY
S5	150	10φ	125	10φ	175	TWO WAY



Typical Details Of Beam
At Column Junction

ISHAAN ATULYAM



KEY PLAN

NOTES :-

- CONG. MIX. AS SPECIFIED / WEIGH BATCHING ONLY .
- FOR COLUMN - M40 & RAFT FOOTING: M30
- FOR BEAM & SLAB - M25
- CEMENT O . P . C . 53 / P . P . C . GRADE ONLY .
- W / C RATIO 0.45 .
- CLEAR COVER TO MAIN R / F :-
- FOOTING.....50 MM. RETAINING WALL.....25 MM.
- COLUMN.....40 MM BEAM.....25 MM SLAB.....15 MM
- P . C . C . (150) 1 : 4 : 8 MUST BE LAID BELOW FOUNDATION .
- ALL STEEL CONFIRMING TO I . S . 1786 / Fe 550 FOR COLUMN AND REST Fe 500 .
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- AND SHOULD KEPT UNDER PRIOR SUPERVISION OF SITE ENGINEER .
- **= DIMENSION TO BE CONFIRM @ SITE

LAP LENGTH TABLE :-

CONCRETE MIX.	BEAM / SLAB		COLUMN	
	Fe 415	Fe 500	Fe 415	Fe 500
M25	40 X DIA	60 X DIA	36 X DIA	40 X DIA
M30	38 X DIA	46 X DIA	30 X DIA	37 X DIA
M35	34 X DIA	40 X DIA	27 X DIA	32 X DIA
M40 & ABOVE	30 X DIA	36 X DIA	25 X DIA	30 X DIA

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	NAME	DATE	REV. NO :- R0
DRN BY :	HARISH	24/04/2024	
DESIGN BY:	NISHANT		
CHKD BY:	NISHANT		
SCALE:	N.T.S.		

CLIENT :- R GATE INFRA PROJECTS

ARCHITECT :- AR. PANKAJ JAIN

JOB TITLE :- ISHAAN ATULYAM

LOCATION :- UDAIPUR

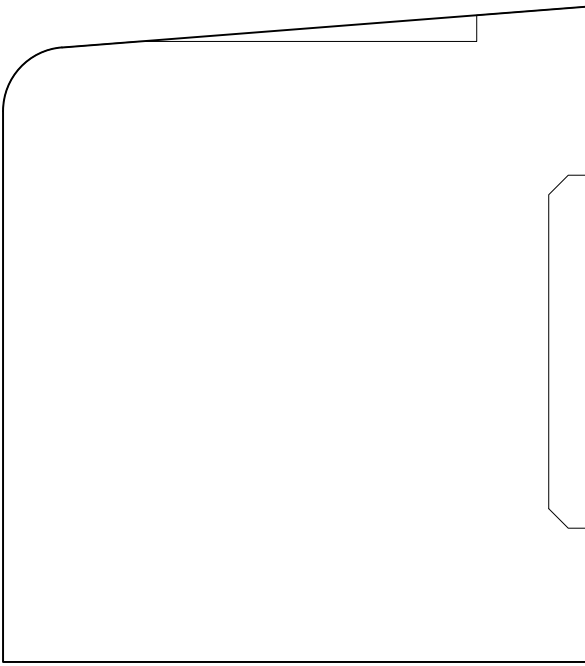
SHEET TITLE :- RCC PLAN FOR STILT LEVEL

JOB NO :- J-306 DWG NO :- 10



GIRNAR STRUCTURAL
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E-mail :- nishantjain.1990@gmail.com



KEY PLAN

NOTES :-

- * CONC. MIX. AS SPECIFIED / WEIGH BATCHING ONLY .
- FOR COLUMN - M40 & RAFT FOOTING: M30
- FOR BEAM & SLAB - M25
- * CEMENT O . P . C . 53 / P . P . C . GRADE ONLY .
- * W / C RATIO 0.45 .
- * CLEAR COVER TO MAIN R / F :-
- FOOTING.....50 MM. RETAINING WALL.....25 MM.
- COLUMN...40 MM BEAM... 25 MM SLAB... 15 MM
- * P . C . C . (150) 1 : 4 : 8 MUST BE LAID BELOW FOUNDATION .
- * ALL STEEL CONFIRMING TO I . S . 1786 / Fe 550 FOR COLUMN AND REST Fe 500 .
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- * ALL DIMENSION SHOULD BE CONFIRMED WITH ARCHITECT DRAWING.
- * FORMWORK & SUPPORTING SYSTEM IS SOLE RESPONSIBILITY OF CONTRACTOR
- AND SHOULD KEPT UNDER PRIOR SUPERVISION OF SITE ENGINEER.
- * **= DIMENSION TO BE CONFIRM @ SITE

LAP LENGTH TABLE :-

CONCRETE MIX.	BEAM / SLAB		COLUMN	
	Fe 415	Fe 500	Fe 415	Fe 500
M25	40 X DIA	50 X DIA	35 X DIA	40 X DIA
M30	38 X DIA	46 X DIA	30 X DIA	37 X DIA
M35	34 X DIA	40 X DIA	27 X DIA	32 X DIA
M40 & ABOVE	30 X DIA	36 X DIA	25 X DIA	30 X DIA

REV	DATE	REVISION NOTE

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	NAME	DATE	REV. NO :- R0
DRN BY :	HARISH	24/04/2024	
DESIGN BY:	NISHANT		
CHKD BY:	NISHANT		
SCALE:	N.T.S.		

CLIENT :- R GATE INFRA PROJECTS

ARCHITECT :- AR. PANKAJ JAIN

JOB TITLE :- ISHAAN ATULYAM

LOCATION :- UDAIPUR

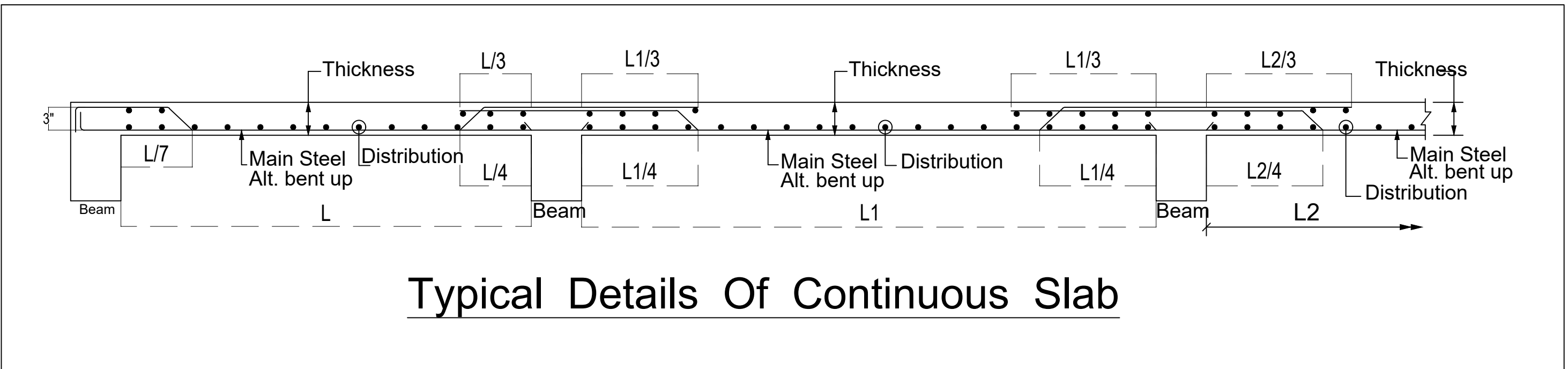
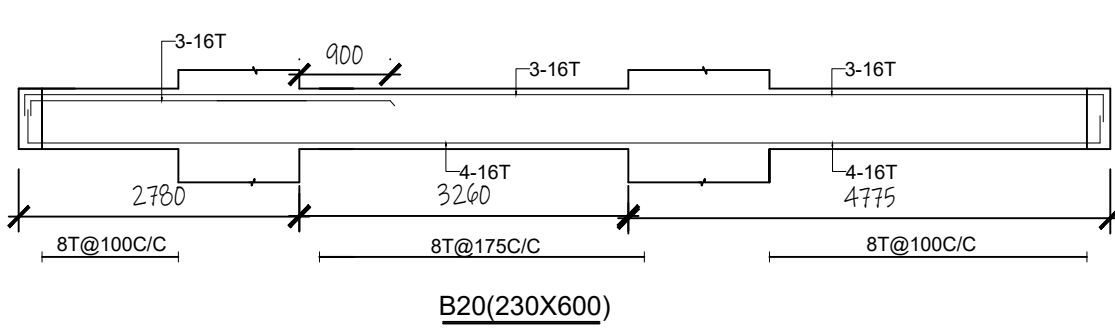
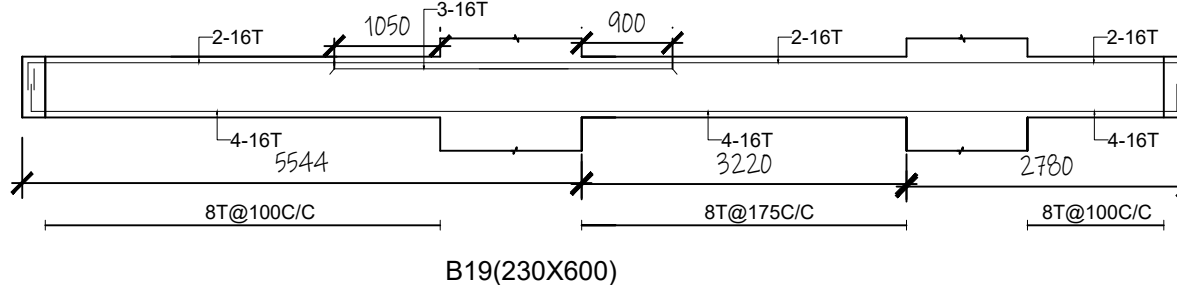
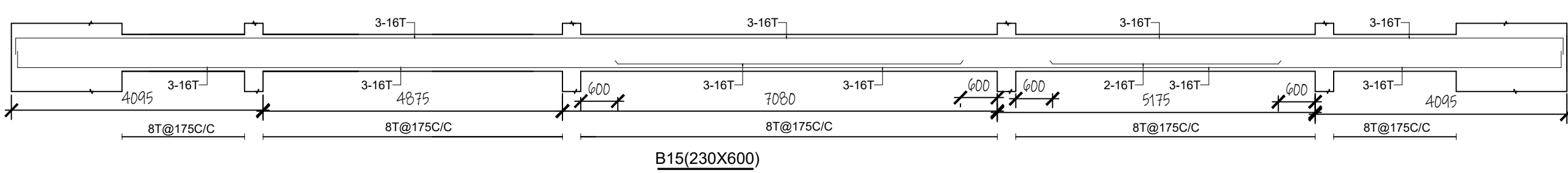
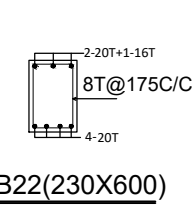
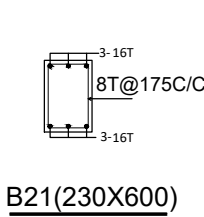
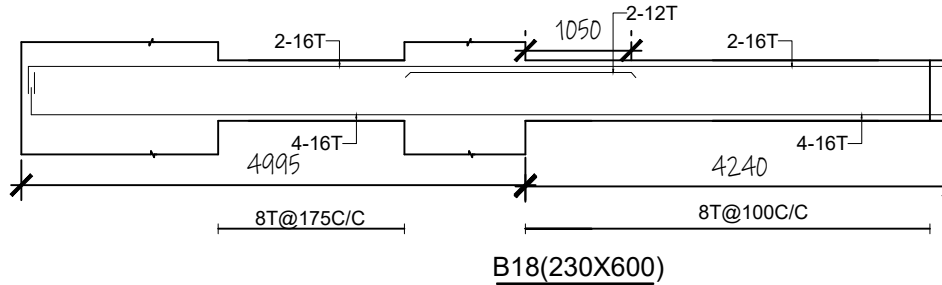
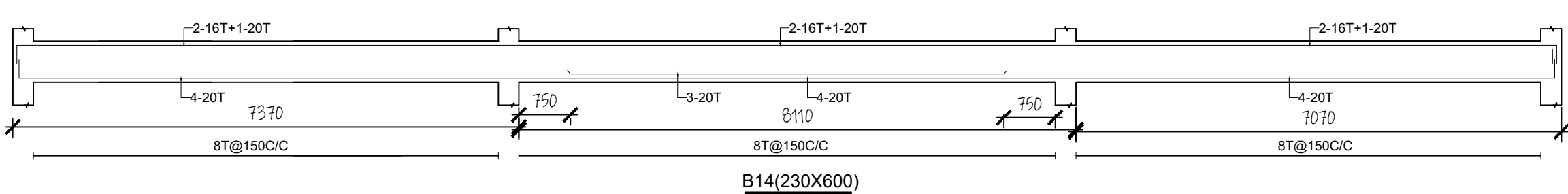
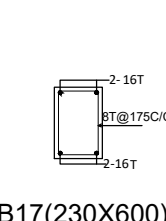
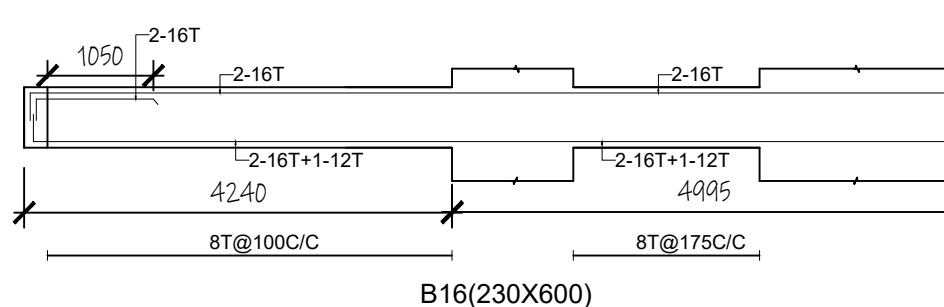
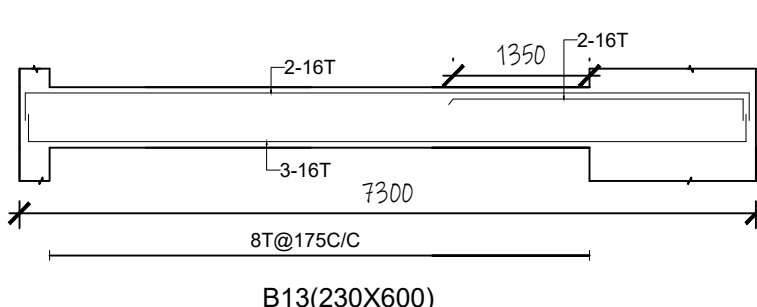
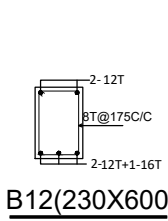
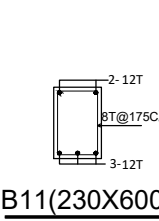
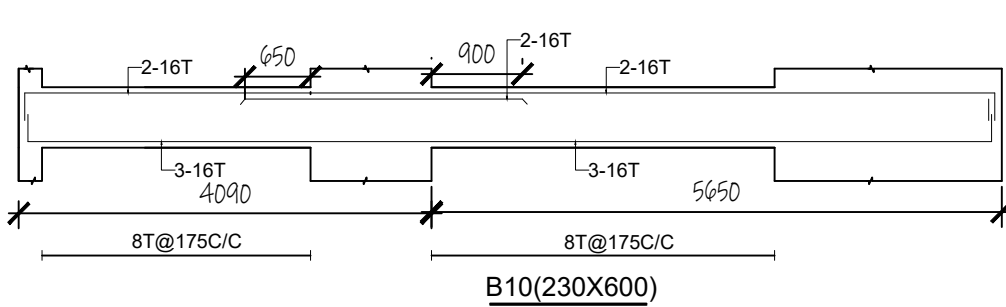
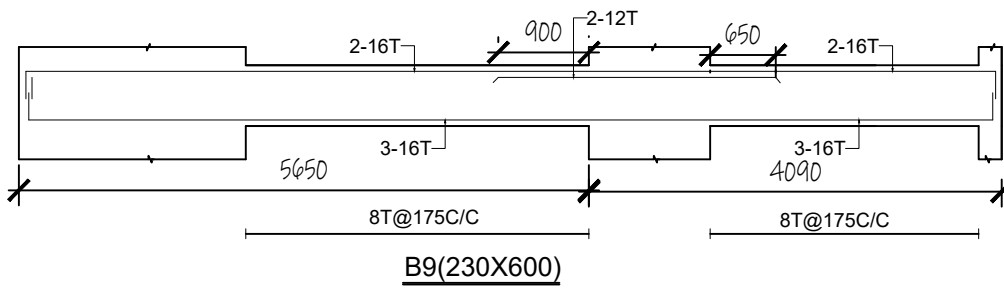
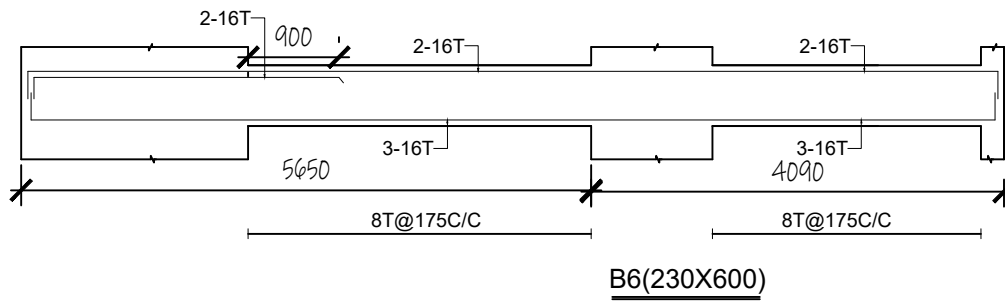
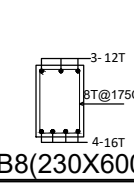
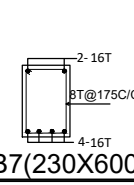
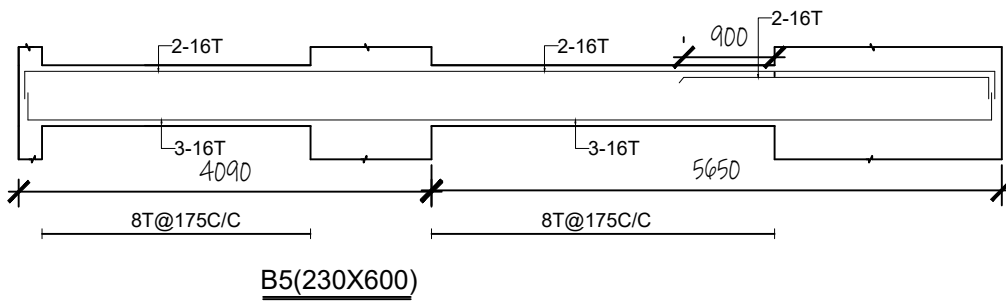
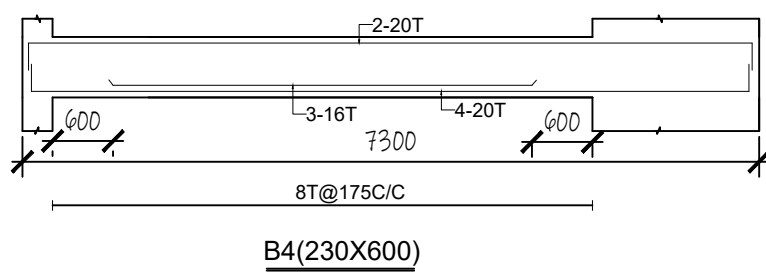
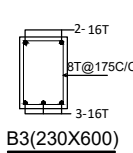
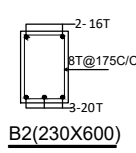
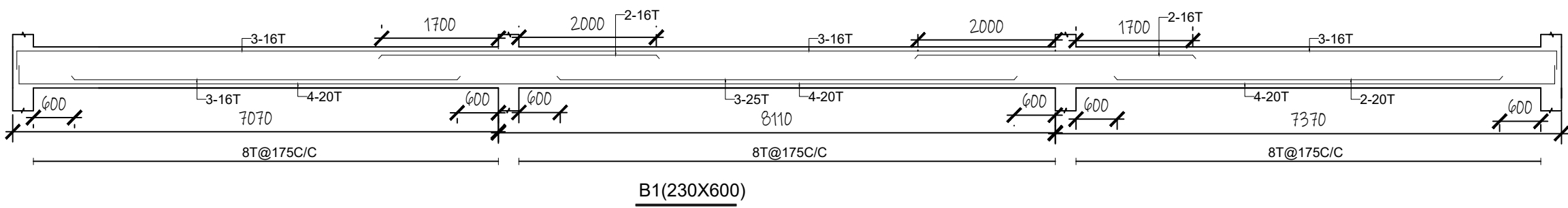
SHEET TITLE :- RCC PLAN FOR STILT LEVEL

JOB NO :- J-306 DWG NO :- 11

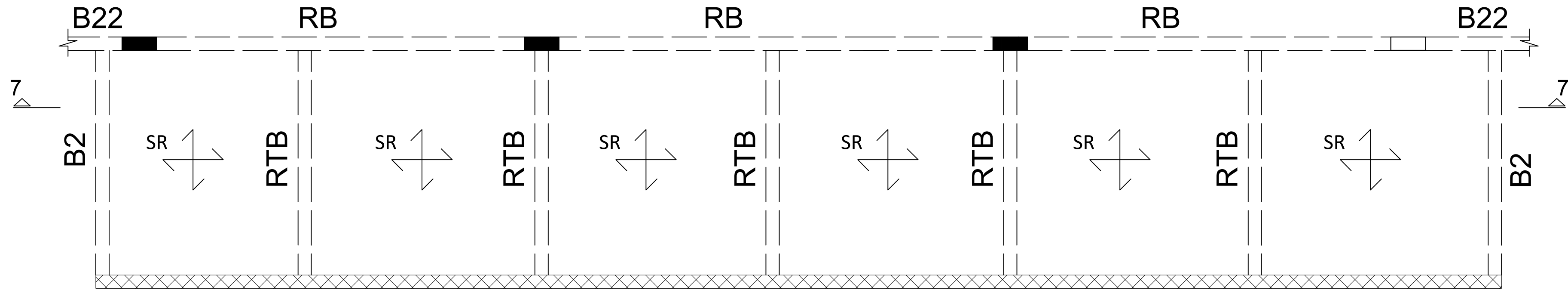


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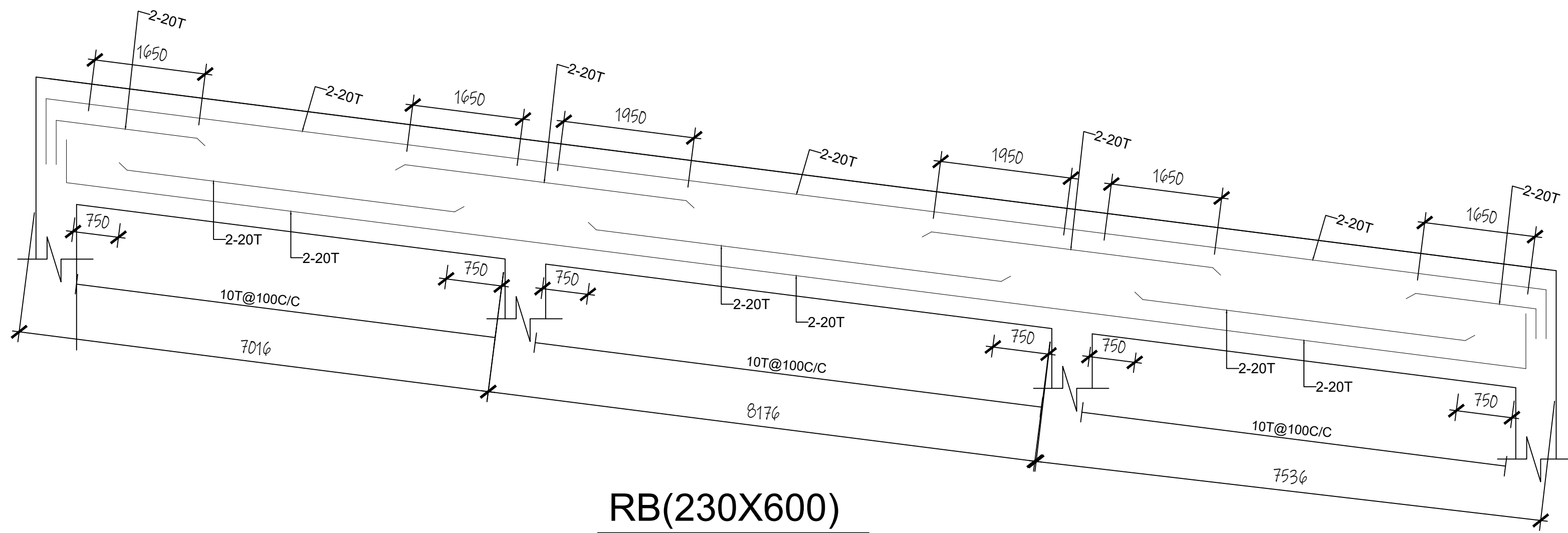
201, 2ND FLOOR KAMAL COMPLEX
GULAB BAGH ROAD, UDAIPUR-313001
TEL:- 0294-2410551/9975392332
E-mail :- nishantjain.1990@gmail.com



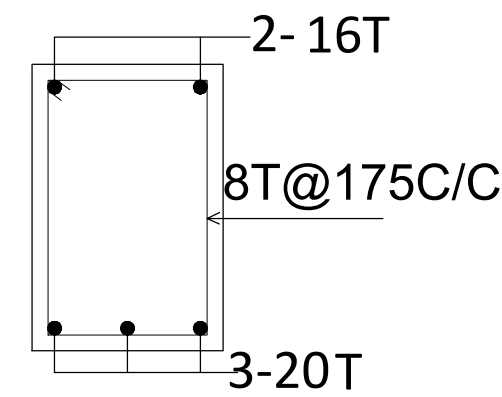
Typical Details Of Continuous Slab



Typical Ramp Framing

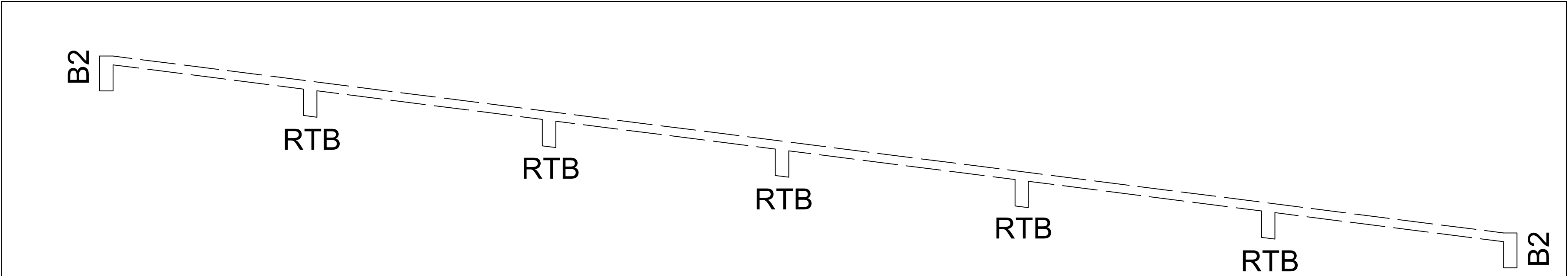


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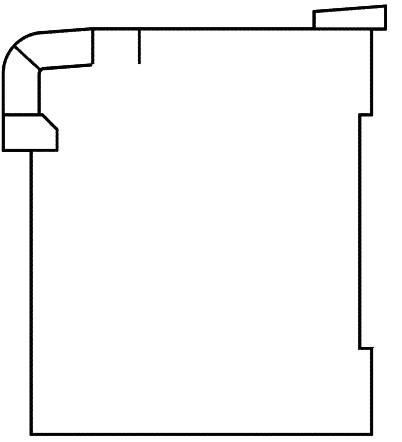
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RAMP SLAB						
SLAB NO.	THICKNESS	MAIN STEEL		SECONDARY STEEL		REMARKS
		T/φ	SPACING	T/φ	SPACING	
S1	150	10φ	100	10φ	100	DOUBLE MESH (TOP & BOTTOM MESH)



SEC 7-7

ISHAAN ATULYAM



KEY PLAN

- NOTES :-
- * CONC. MIX. AS SPECIFIED / WEIGH BATCHING ONLY .
 - * FOR BEAM AND SLAB - M25
 - * CEMENT O . P . C . 53 GRADE ONLY .
 - * W / C RATIO 0.45 .
 - * CLEAR COVER TO MAIN R / F :-
 - * FOOTING.....50 MM.
 - * COLUMN...40 MM BEAM... 25 MM SLAB... 15 MM
 - * P . C . C . (150) 1 : 4 : 8 MUST BE LAID BELOW FOUNDATION .
 - * ALL STEEL CONFIRMING TO I . S . 1786 / Fe 500
 - * COLUMN LINKS MUST BE PROVIDE AT JUNCTION OF COLUMN & BEAM .
 - * CENTER OF LAP OF COLUMN SHALL BE AT CENTER OF FLOOR HEIGHT .
 - * NOT MORE THAN 50% STEEL TO BE LAPPED AT ANY SECTION FOR COLUMN.
 - * THIS DRAWING SHOULD BE READ CONJUNCTION WITH RELEVANT ARCHITECT DRAWING
 - * ALL DIMENSION SHOULD BE CONFIRMED WITH ARCHITECT DRAWING.
 - * FORMWORK & SUPPORTING SYSTEM IS SOLE RESPONSIBILITY OF CONTRACTOR AND SHOULD KEPT UNDER PRIOR SUPERVISION OF SITE ENGINEER.
 - * **= DIMENSION TO BE CONFIRM @ SITE

LAP LENGTH TABLE :-				
CONCRETE MIX.	BEAM / SLAB		COLUMN	
	Fe 415	Fe 500	Fe 415	Fe 500
M25	40 X DIA	50 X DIA	35 X DIA	40 X DIA
M30	38 X DIA	46 X DIA	30 X DIA	37 X DIA
M35	34 X DIA	40 X DIA	27 X DIA	32 X DIA
M40 & ABOVE	30 X DIA	36 X DIA	25 X DIA	30 X DIA

REV	DATE	REVISION NOTE

PURPOSE OF ISSUE :- VALID FOR APPROVAL
DATE:- 24/04/2024

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	NAME	DATE	REV. NO :- R0
DRN BY :	HARISH	24/04/2024	
DESIGN BY:	NISHANT		
CHKD BY:	NISHANT		
SCALE:	N.T.S.		

CLIENT :- R GATE INFRA PROJECT LLP

ARCHITECT :- AR. PANKAJ JAIN

JOB TITLE :- ISHAAN ATULYAM
LOCATION :- PLOT NO. 1, ROOP NAGAR, OPP. ARCHI PARADISE
UDAIPUR (RAJ.)-313001

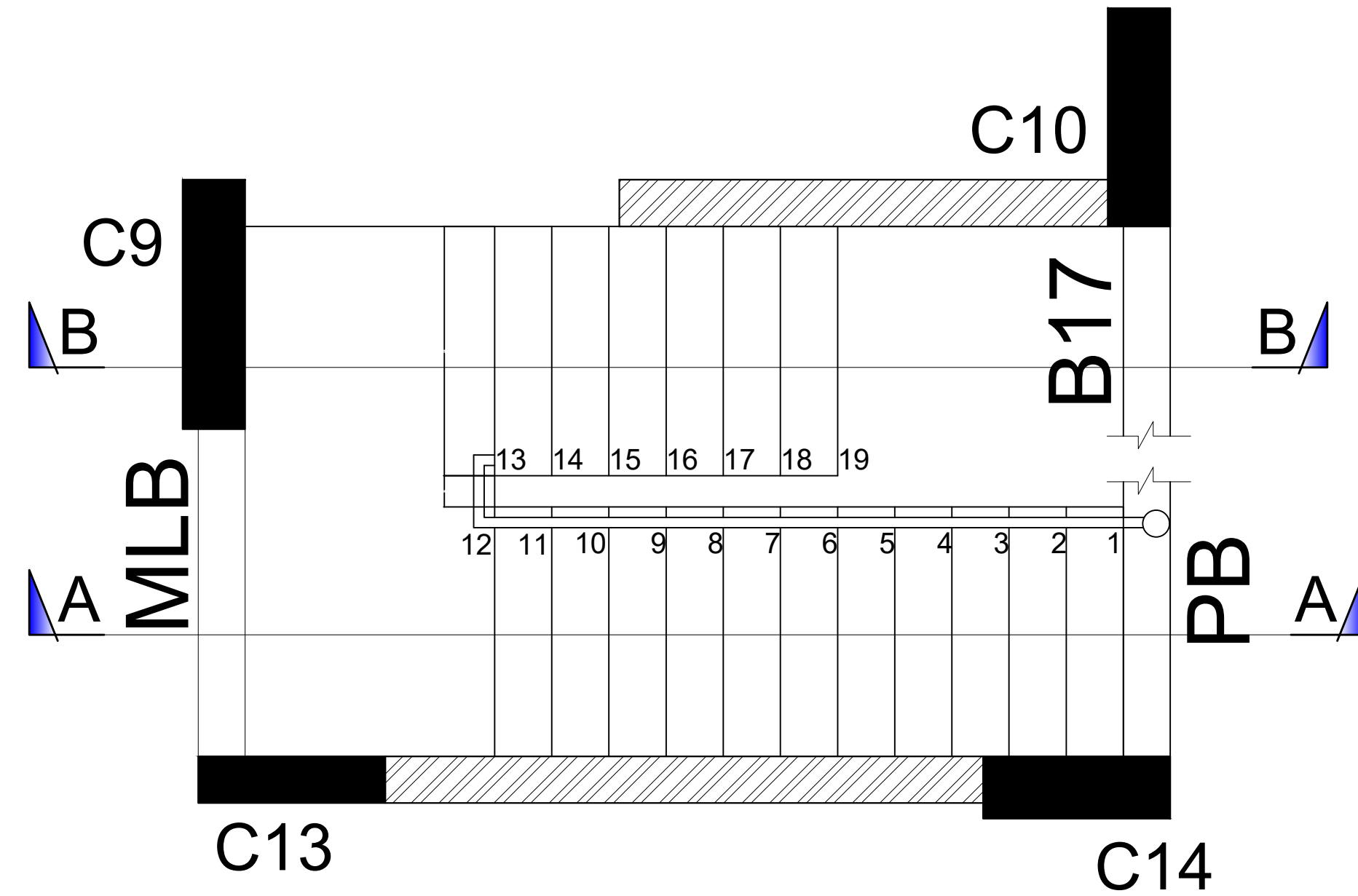
SHEET TITLE :- TYPICAL RAMP DETAIL

JOB NO :- J-306 DWG NO :- 12



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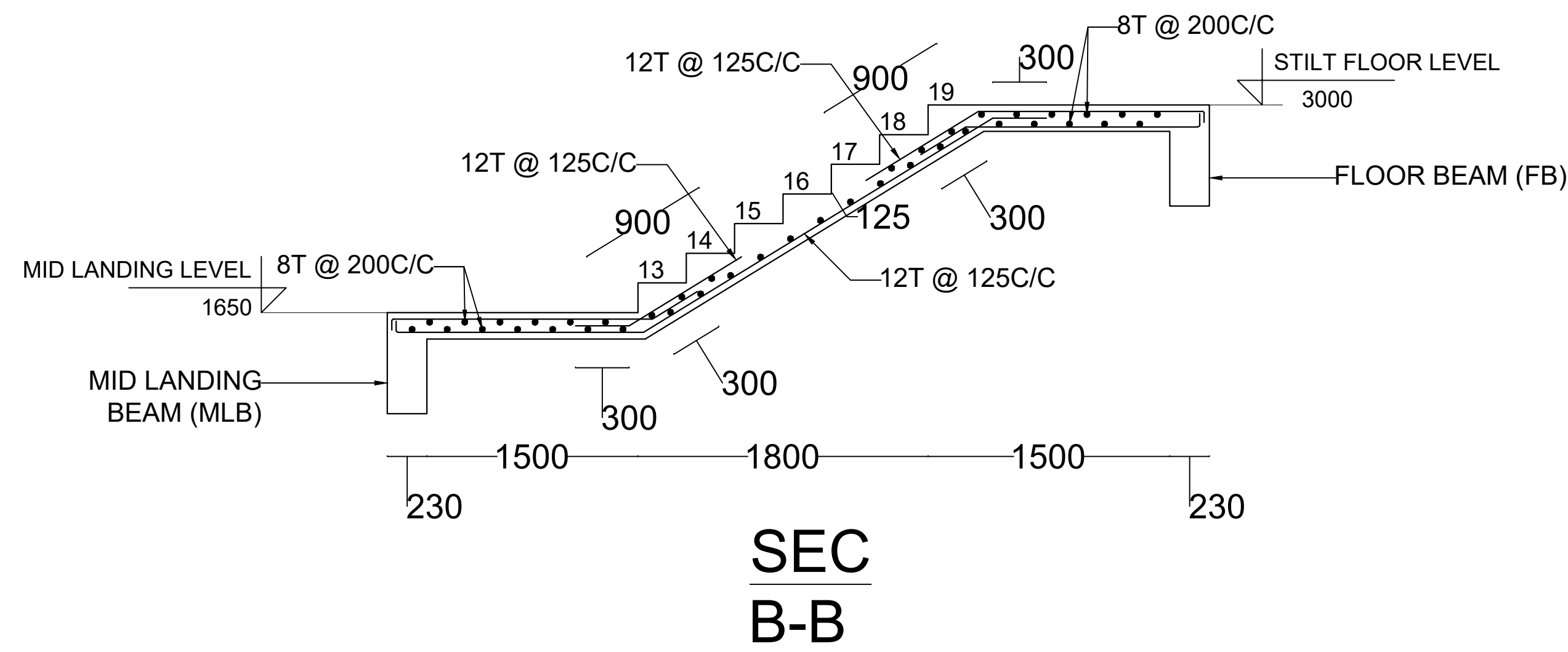
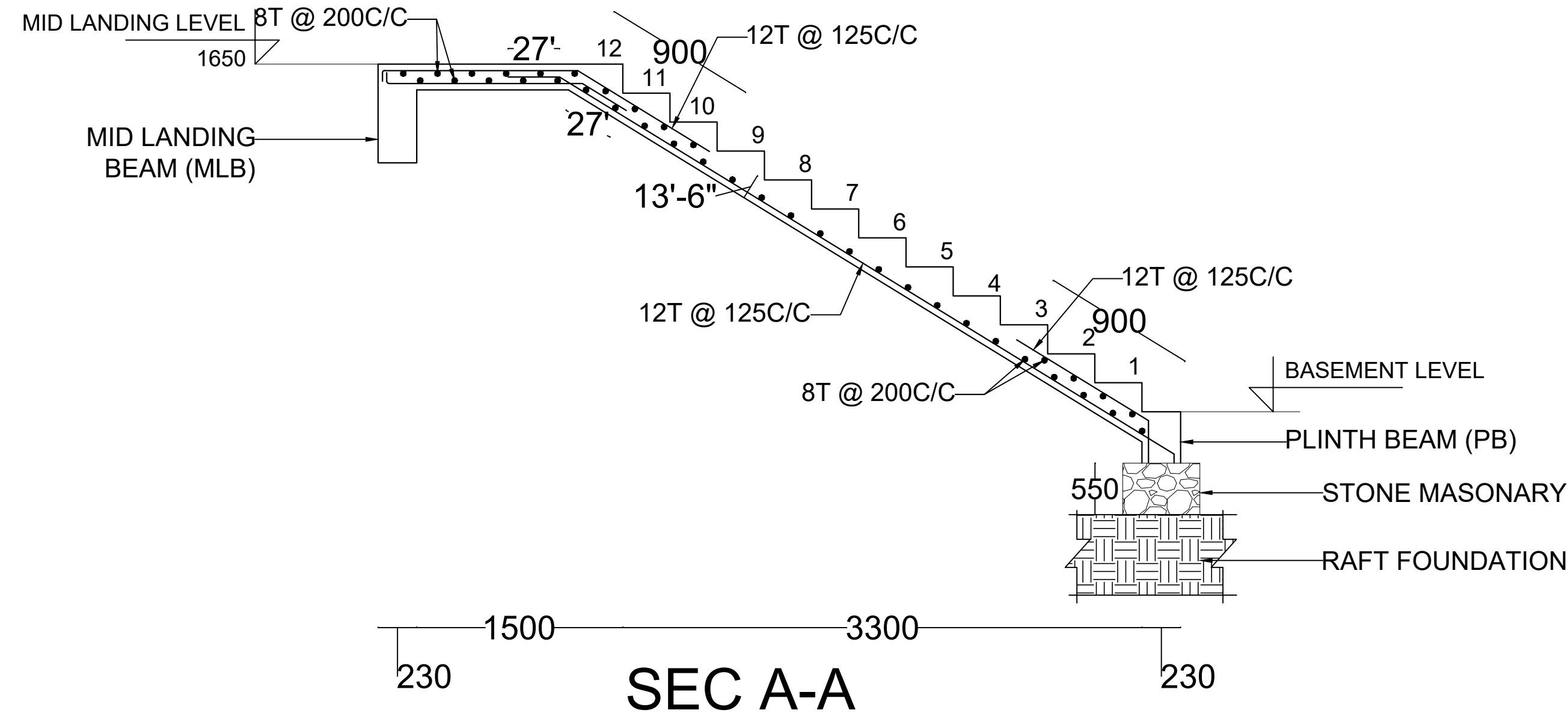
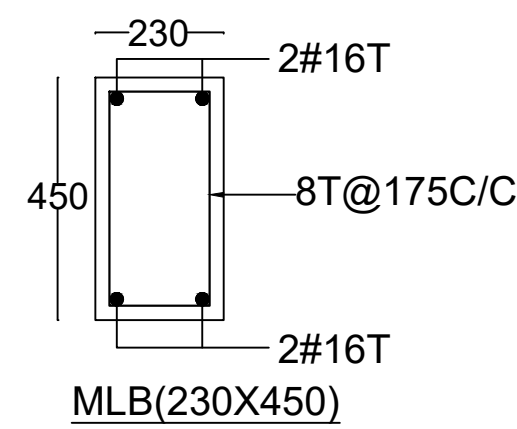
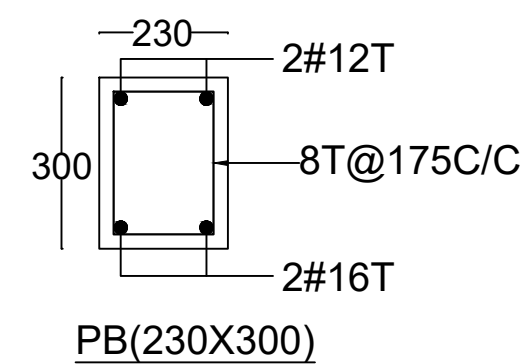


STAIR DETAIL

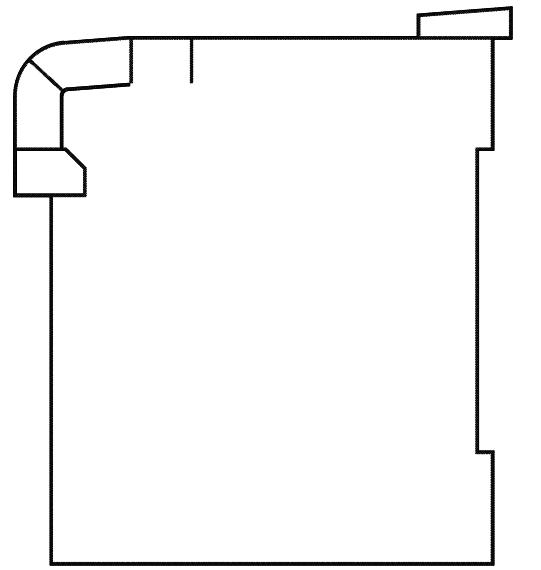
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TREAD : 300
RISER : 150

NOTATION

PB- PLINTH BEAM
B17- UPPER BASEMENT BEAM
MLB- MID LANDING BEAM



ISHAAN ATULYAM



KEY PLAN

NOTES :-

- * CONC. MIX. AS SPECIFIED / WEIGH BATCHING ONLY .
- * FOR BEAM & SLAB : M25
- * CEMENT O . P . C . 53 GRADE ONLY .
- * W / C RATIO 0.45 .
- * CLEAR COVER TO MAIN R / F :-
- * FOOTING.....50 MM.
- * COLUMN...40 MM BEAM... 25 MM SLAB... 15 MM
- * P . C . C . (150) 1 : 4 : 8 MUST BE LAID BELOW FOUNDATION .
- * ALL STEEL CONFORMING TO I . S . 1786 / Fe 500
- * COLUMN LINKS MUST BE PROVIDE AT JUNCTION OF COLUMN & BEAM .
- * CENTER OF LAP OF COLUMN SHALL BE AT CENTER OF FLOOR HEIGHT .
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- * FORMWORK & SUPPORTING SYSTEM IS SOLE RESPONSIBILITY OF CONTRACTOR AND SHOULD KEPT UNDER PRIOR SUPERVISION OF SITE ENGINEER.
- * **= DIMENSION TO BE CONFIRM @ SITE

LAP LENGTH TABLE :-

CONCRETE MIX.	BEAM / SLAB		COLUMN	
	Fe 415	Fe 500	Fe 415	Fe 500
M25	40 X DIA	50 X DIA	35 X DIA	40 X DIA
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M40 & ABOVE	30 X DIA	36 X DIA	25 X DIA	30 X DIA

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DRN BY :	HARISH	24/04/2024	
DESIGN BY:	NISHANT		
CHKD BY:	NISHANT		
SCALE:	N.T.S.		

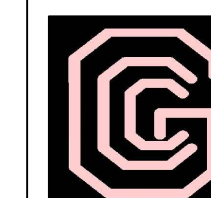
CLIENT :- R GATE INFRA PROJECTS LLP

ARCHITECT :- AR. PANKAJ JAIN

JOB TITLE :- ISHAAN ATULYAM
LOCATION :- PLOT NO. 1, ROOP NAGAR, OPP. ARCHI PARADISE ,UDAIPUR (RAJ.)-313001

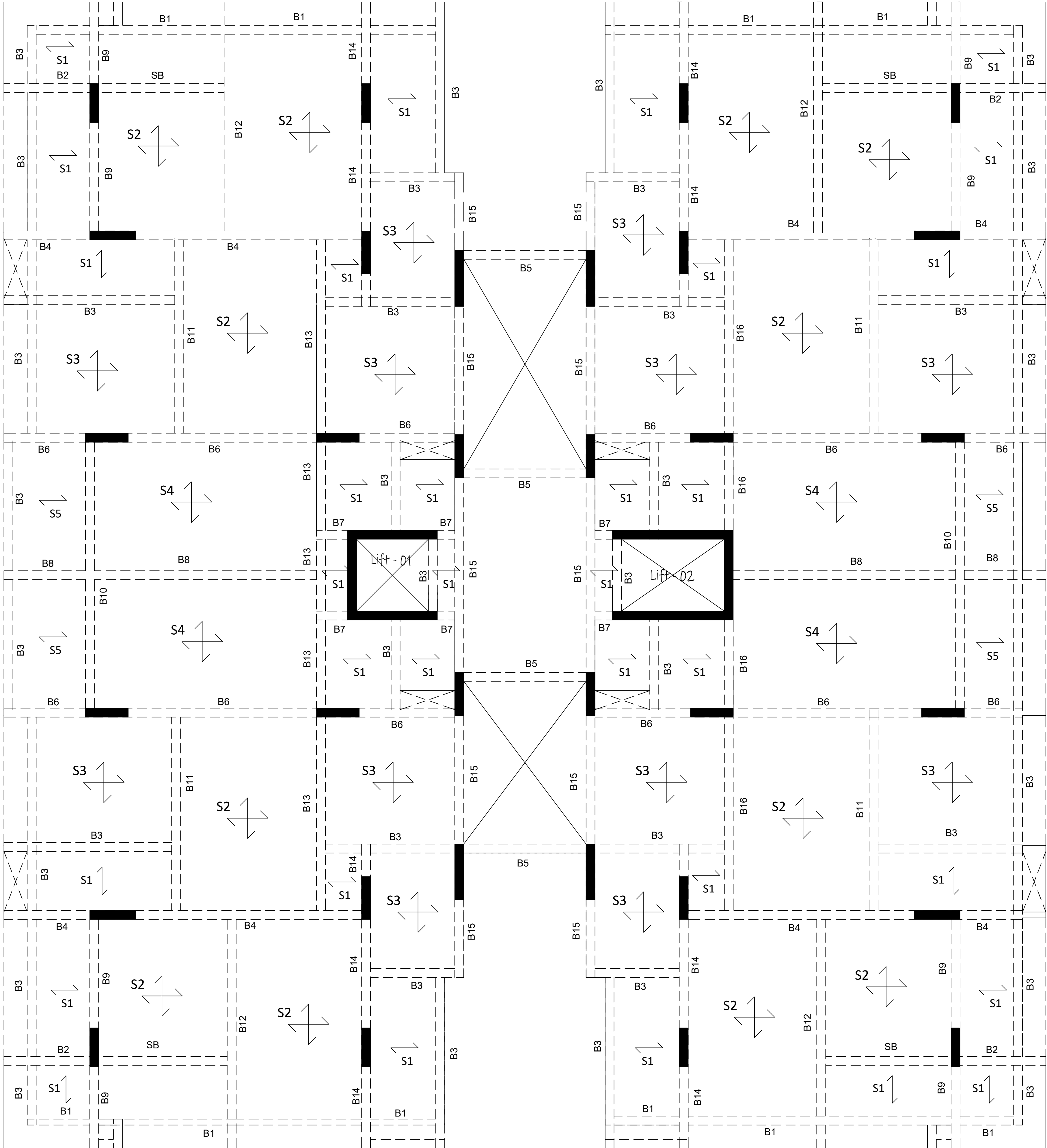
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JOB NO :- J-306 DWG NO :- 13

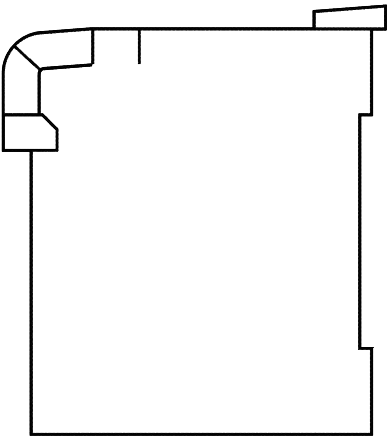


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E-mail :- nishantjain.1990@gmail.com



ISHAAN ATULYAM



KEY PLAN

NOTES :-

- * CONC. MIX. AS SPECIFIED / WEIGH BATCHING ONLY .
FOR BEAM AND SLAB - M25
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- * CLEAR COVER TO MAIN R / F :-
FOOTING.....50 MM.
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DRN BY :	HARISH	24/04/2024	
DESIGN BY:	NISHANT		
CHKD BY:	NISHANT		
SCALE:	N.T.S.		

CLIENT :- R GATE INFRA PROJECT LLP

AR. PANKAJ JAIN

SHAAN ATULYAM
OT NO. 1, ROOP NAGAR, OPP. ARCHI PARADISE
JAIPUR (RAJ.)-313001

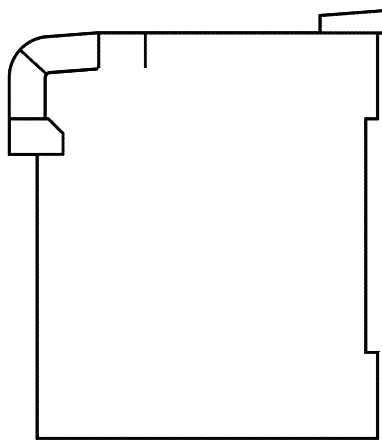
RCC DETAIL FOR SLAB AND BEAM

306 DWG NO :- 14

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NISHANT JAIN
B.E. (CIVIL) & M.Tech STRUCTURES
CHARTERED ENGINEER AND
STRUCTURAL CONSULTANTS



KEY PLAN

NOTES :-

- * CONC. MIX. AS SPECIFIED / WEIGH BATCHING ONLY .
FOR BEAM & SLAB - M25
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DRN BY :	HARISH	24/04/2024	
DESIGN BY:	NISHANT		
CHKD BY:	NISHANT		
SCALE:	N.T.S.		

CLIENT :- ISHAAN ATULYAM

ARCHITECT :- AR. PANKAJ JAIN

JOB TITLE :- ISHAAN ATULYAM
LOCATION :- PLOT NO. 1, ROOP NAGAR, OPP. ARCHI PARADISE
UDAIPUR (RAJ.)-313001

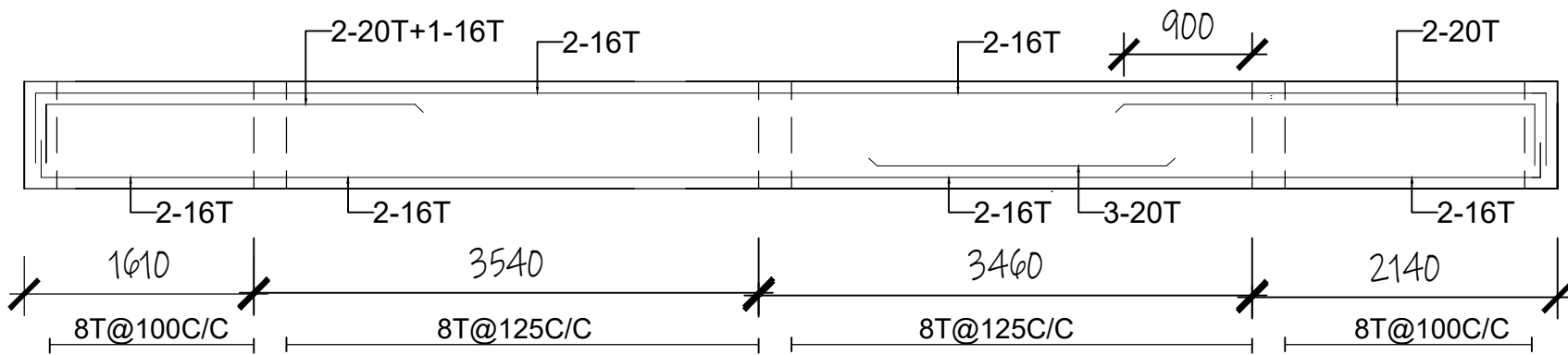
SHEET TITLE :- RCC DETAIL FOR SLAB AND BEAM

JOB NO :- J-306 DWG NO :- 15

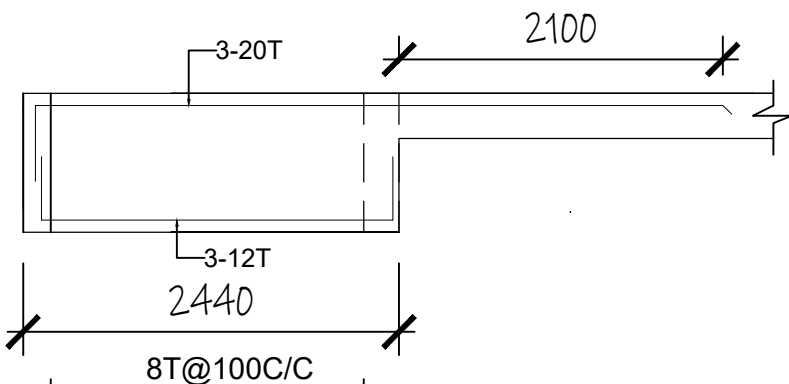


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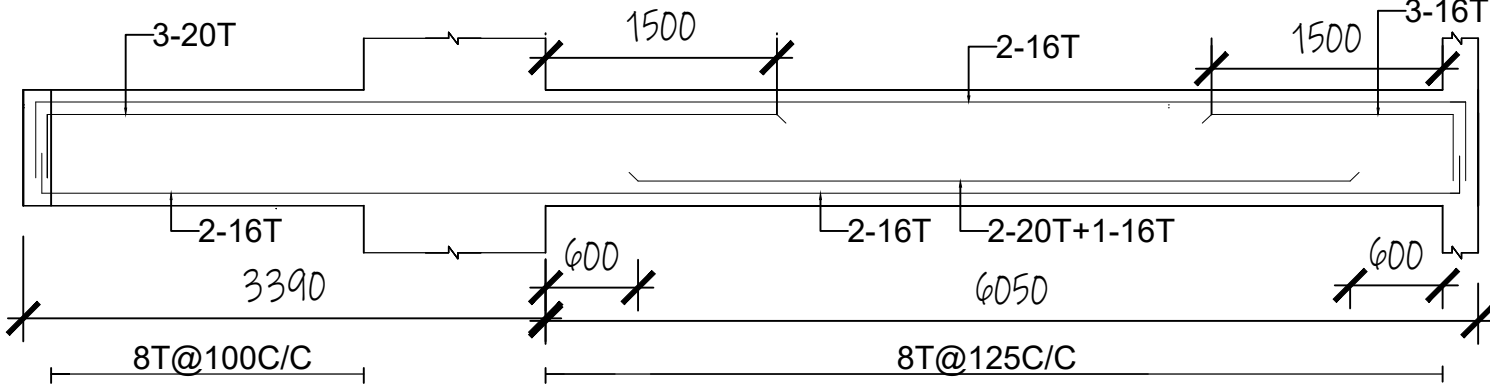
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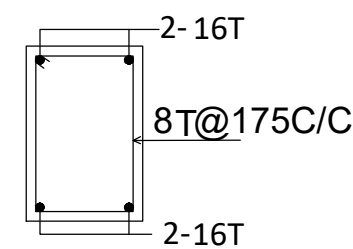
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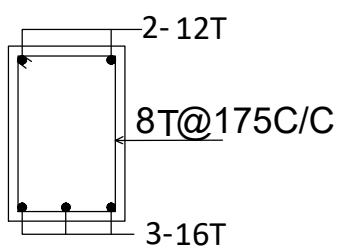
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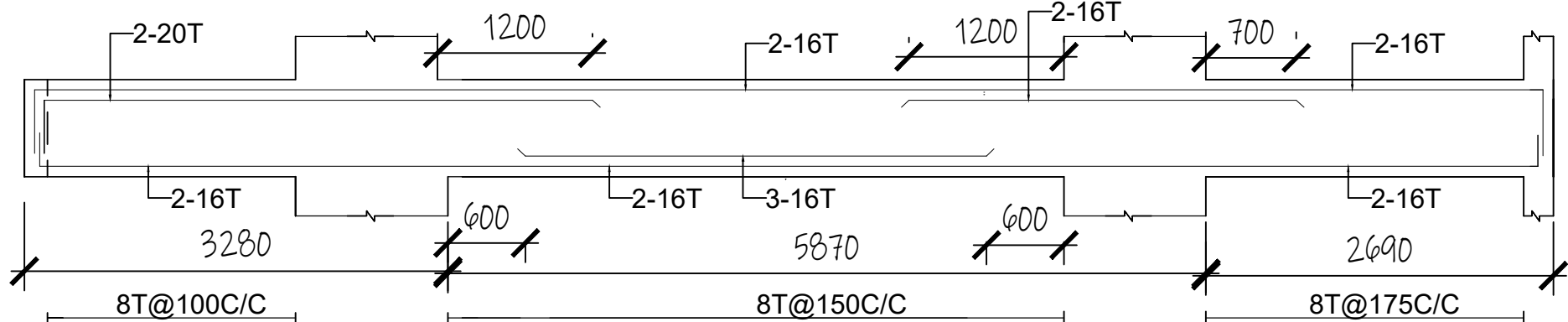
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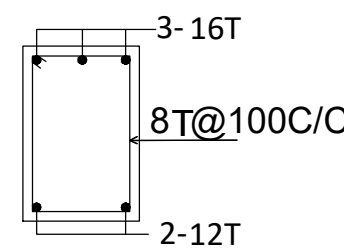
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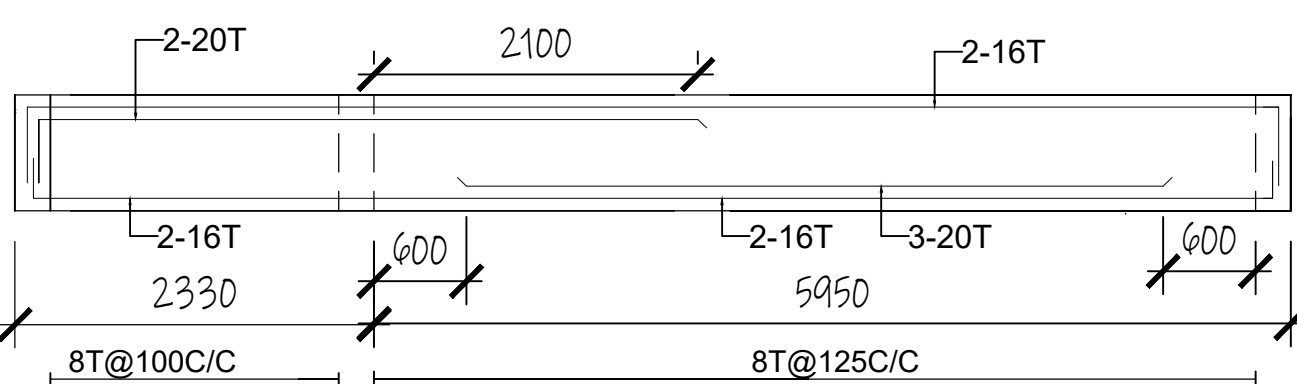
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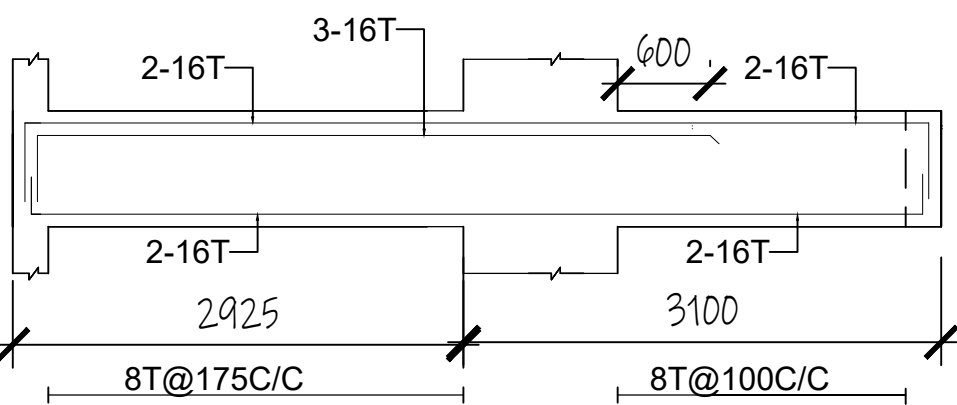
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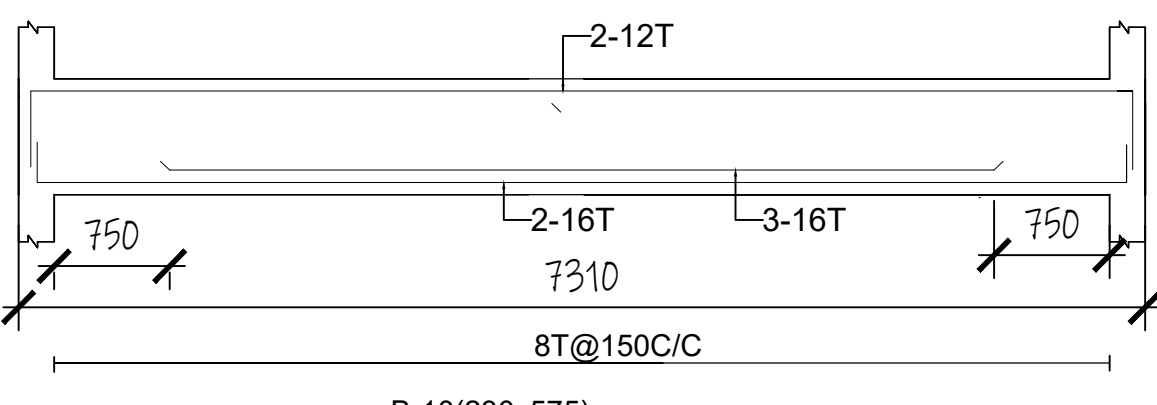
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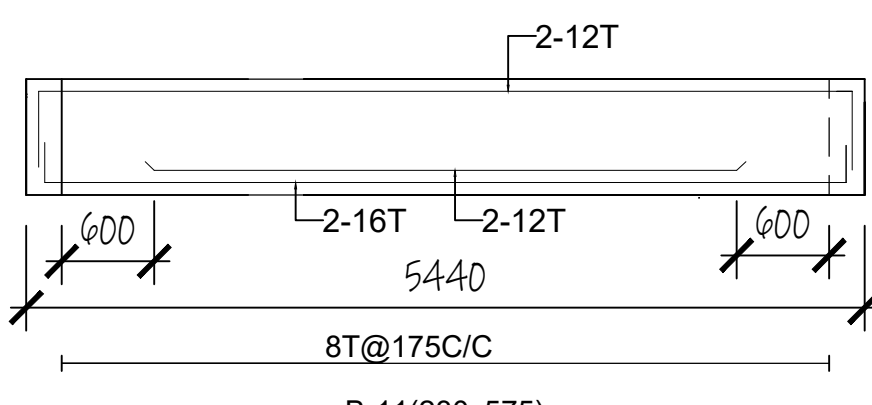
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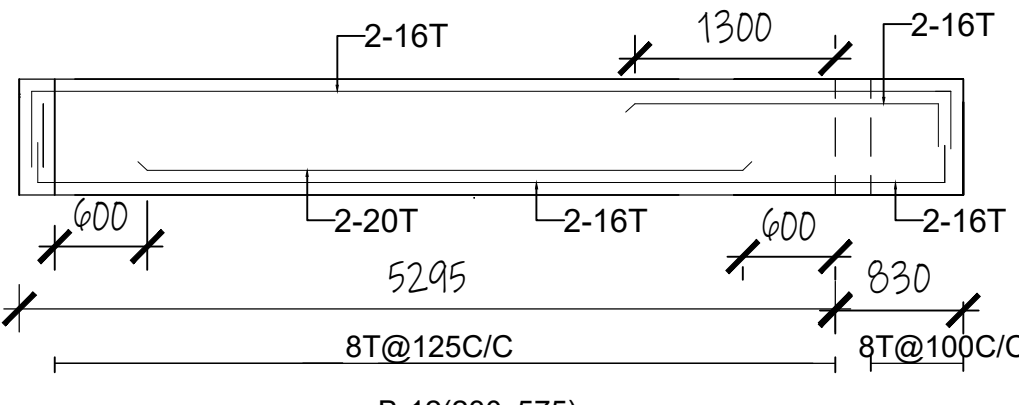
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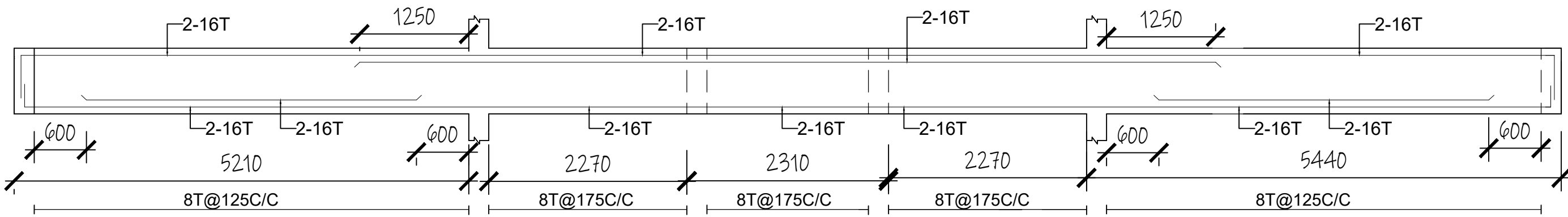
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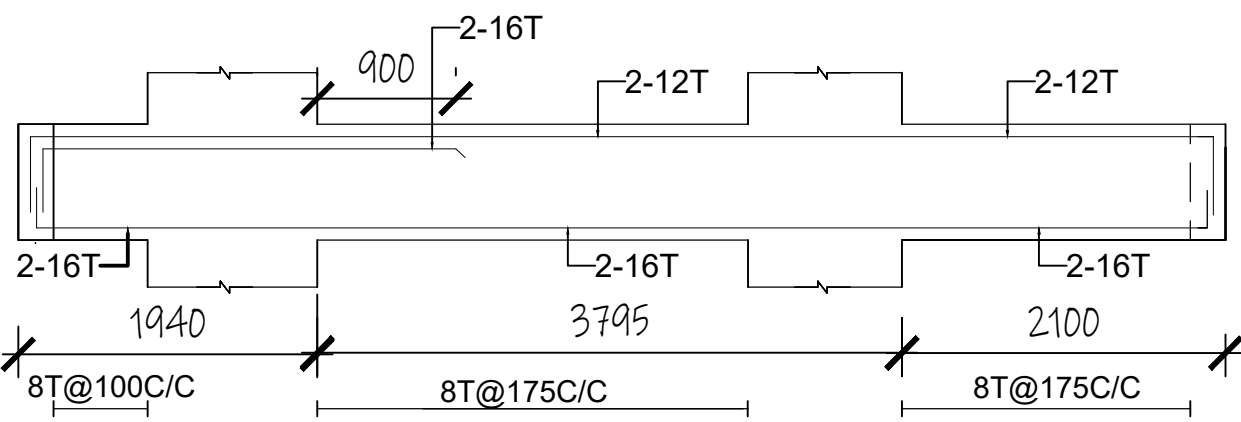
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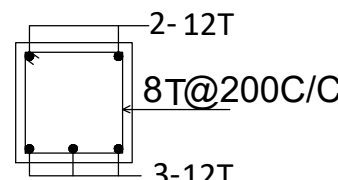
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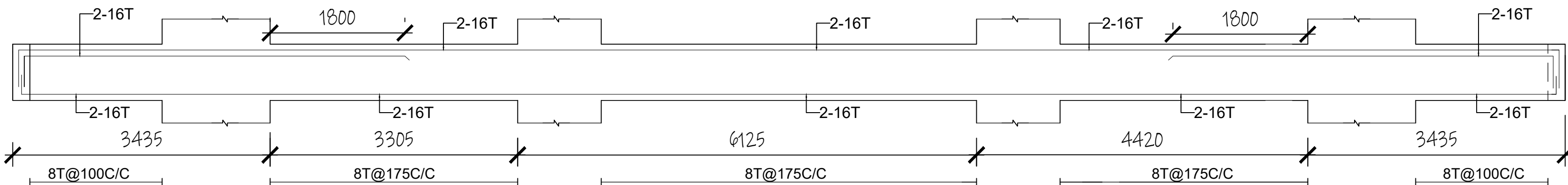
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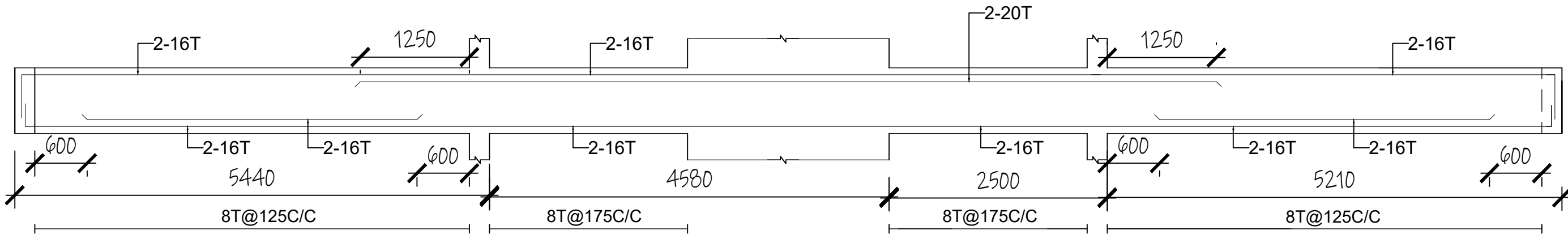
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SB(230x125)

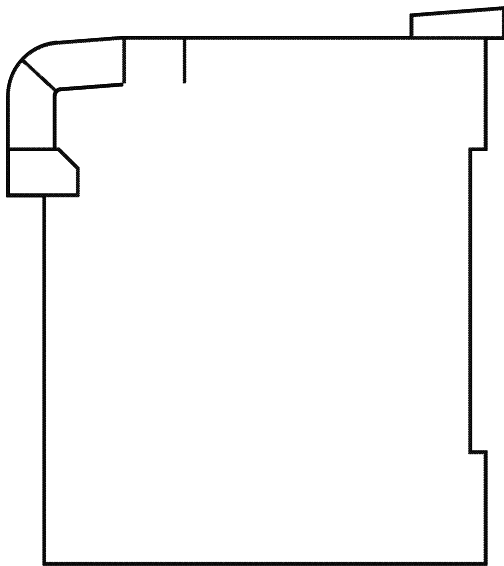


B-15(230x575)



B-16(230x575)

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KEY PLAN

- NOTES :-
- * CONC. MIX. AS SPECIFIED / WEIGH BATCHING ONLY .
FOR BEAM & SLAB : M25
 - * CEMENT O . P . C . 53 GRADE ONLY .
 - * W / C RATIO 0.45.
 - * CLEAR COVER TO MAIN R / F :-
FOOTING.....50 MM.
COLUMN... 40 MM BEAM... 25 MM SLAB... 15 MM
 - * P . C . C . (150) 1 : 4 : 8 MUST BE LAID BELOW FOUNDATION .
 - * ALL STEEL CONFIRMING TO I . S . 1786 / Fe 500
 - * COLUMN LINKS MUST BE PROVIDE AT JUNCTION OF COLUMN & BEAM .
 - * CENTER OF LAP OF COLUMN SHALL BE AT CENTER OF FLOOR HEIGHT .
 - * NOT MORE THAN 50% STEEL TO BE LAPPED AT ANY SECTION FOR COLUMN.
 - * THIS DRAWING SHOULD BE READ CONJUNCTION WITH RELEVANT ARCHITECT DRAWING
 - * ALL DIMENSION SHOULD BE CONFIRMED WITH ARCHITECT DRAWING.
 - * FORMWORK & SUPPORTING SYSTEM IS SOLE RESPONSIBILITY OF CONTRACTOR
AND SHOULD KEPT UNDER PRIOR SUPERVISION OF SITE ENGINEER.
 - * **= DIMENSION TO BE CONFIRM @ SITE

LAP LENGTH TABLE :-				
CONCRETE MIX.	BEAM / SLAB		COLUMN	
	Fe 415	Fe 500	Fe 415	Fe 500
M25	40 X DIA	50 X DIA	35 X DIA	40 X DIA
M30	38 X DIA	46 X DIA	30 X DIA	37 X DIA
M35	34 X DIA	40 X DIA	27 X DIA	32 X DIA
M40 & ABOVE	30 X DIA	36 X DIA	25 X DIA	30 X DIA

REV	DATE	REVISION NOTE

PURPOSE OF ISSUE :- VALID FOR APPROVAL
DATE:- 24/04/2024

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DRN BY :	HARISH	24/04/2024	
DESIGN BY:	NISHANT		
CHKD BY:	NISHANT		
SCALE:	N.T.S.		

CLIENT :- R GATE INFRA PROJECTS LLP

ARCHITECT :- AR. PANKAJ JAIN

JOB TITLE :- ISHAAN ATULYAM
LOCATION :- PLOT NO. 1, ROOP NAGAR, OPP. ARCHI PARADISE
UDAIPUR (RAJ.)-313001

SHEET TITLE :- R.C.C. DETAIL OF SLAB & BEAM

JOB NO :- J-306 DWG NO :- 16



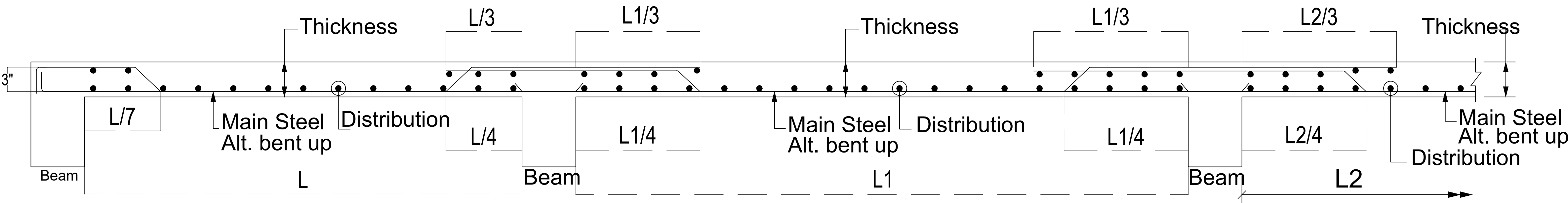
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TEL:- 0294-2410551/9975392332
E-mail :- nishantjain.1990@gmail.com

SLAB DETAIL

SLAB NO.	THICKNESS	MAIN STEEL		SECONDARY STEEL		REMARKS
		T/φ	SPACING	T/φ	SPACING	
S1	125	8φ	150	8φ	200	ONE WAY
S2	125	10φ	125	10φ	200	TWO WAY
S3	125	8φ	150	8φ	200	TWO WAY
S4	125	10φ	100	10φ	150	TWO WAY
S5	125	8φ	125	8φ	175	ONE WAY

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Typical Details Of Continuous Slab