

**CHHATTISGARH MEDICAL SERVICES CORPORATION  
LIMITED**

**(Government of Chhattisgarh)**

**Tender**

**For**

**Construction of District Drug Warehouse at Kanker (C.G.),  
under National Rural Health Mission scheme**

**Tender Drawings**

**VOLUME-VI**

**November' 2015**



**HSCC (INDIA) LTD.  
(CONSULTANTS & ENGINEERS FOR MEGA HOSPITALS & LABORATORIES) E-  
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**Tender No. HSCC/NRHM/CG/2015(VII)/02**

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**NOTES**

1. ALL DIMENSIONS FOR THIS DRAWING ARE IN MM.
2. IN CASE OF ANY DISCREPANCY BETWEEN THIS DRAWING AND ANY OTHER DRAWING, THE DRAWING SHALL BE RECALCULATED UNDER ANY CIRCUMSTANCES. ALL MEASUREMENTS SHALL BE TAKEN AS SHOWN ON THE DRAWING PRIOR TO EXECUTION OF WORK AT THE SITE. THIS DRAWING IS TO BE USED BY CONTRACTORS WITH ALL RELEVANT STRUCTURAL, SERVICES & FACILITY PLANNING DRAWINGS.
3. ARCHITECTURAL DRAWINGS ARE TO BE FOLLOWED FOR THE LOCATION OF ALL STRUCTURAL MEMBERS & MASONRY WALLS.
4. FOR SIZES & DIMENSIONS OF DETAILS OF STRUCTURAL MEMBERS, RELEVANT STRUCTURAL DRAWINGS ARE TO BE REFERRED.
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9. FOR W.P., S.P., W.P.A. & W.S.P. SIZE & LOCATION, REFER PLUMBING DRAWINGS.
10. LIFT OPENING AS PER APPROVED LIFT PROVIDER.

**SCHEDULE OF OPENINGS**

S.NO.	TYPE	WIDTH	CIL	LINTEL	REMARKS
1	DS	1200	---	2150	
2	D1	1000	---	2150	
3	D2	1500	---	2150	
4	D3	800	---	2150	
5	DW	2500	300	2150	
6	W6	2200	900	[BEAM BOTTOM]	
7	W1	1800	900	[BEAM BOTTOM]	
8	W1A	1800	1350	[BEAM BOTTOM]	
9	W2	900	900	[BEAM BOTTOM]	
10	W2A	900	1500	[BEAM BOTTOM]	
11	W3	1200	300	[BEAM BOTTOM]	
12	W4	1500	1350	[BEAM BOTTOM]	
13	W5	1200	900	2150	
14	V3	400	2000	[BEAM BOTTOM]	
15	Y	3200x1000	4500	[BEAM BOTTOM]	FIXED
16	V1	2500x1000	4500	[BEAM BOTTOM]	FIXED
17	V2	2000x1000	4500	[BEAM BOTTOM]	FIXED
18	RS	3000	-	[BEAM BOTTOM]	
19	RS1	2000	-	[BEAM BOTTOM]	
20	V4	1500x600	4700	[BEAM BOTTOM]	FIXED

**REVISION**

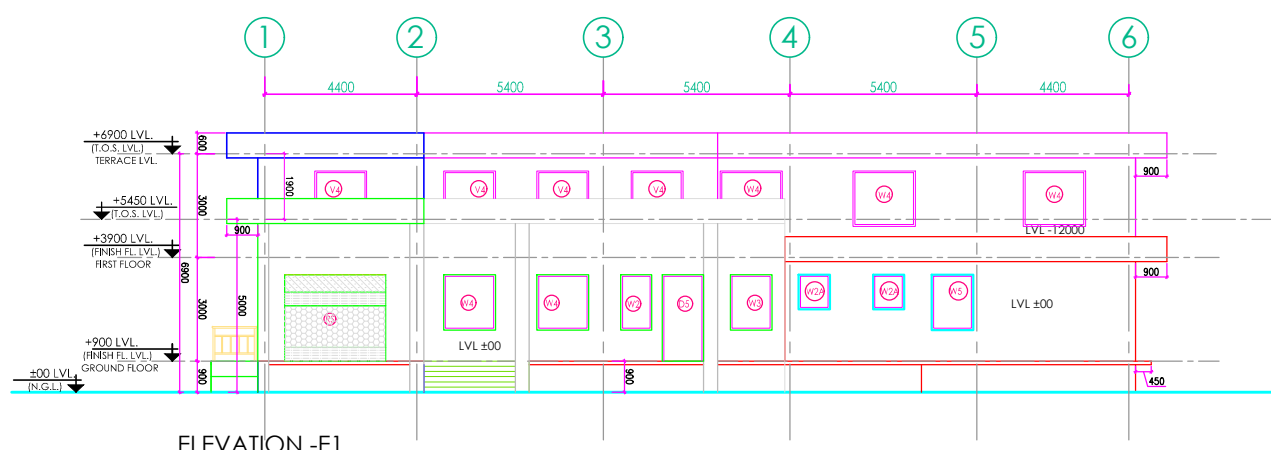
**PROJECT**  
Proposed Drug Warehouse at **KANKER, CHATTISGARH**

**TITLE**  
**TENDER DRAWING**

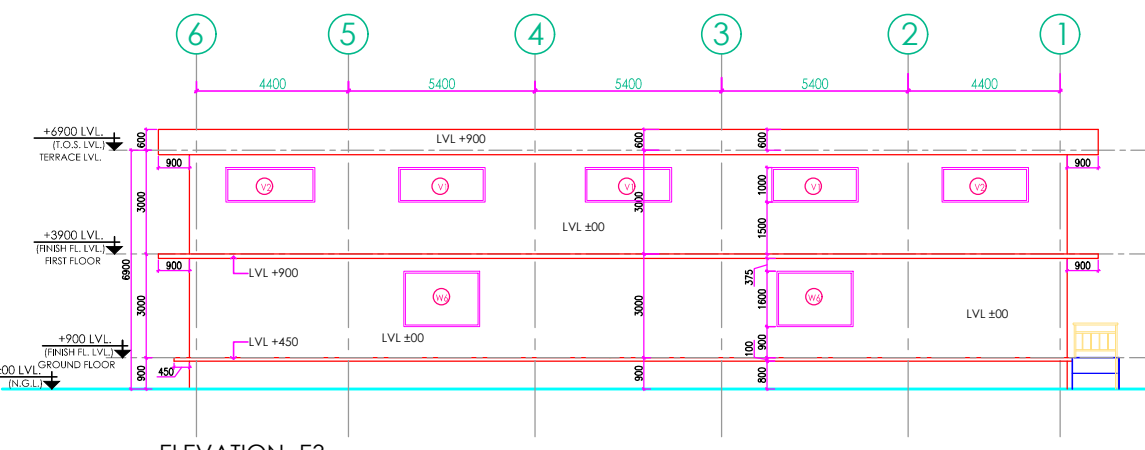
**ELEVATIONS & SECTION**

HSCC/EV210 added		
Drawing No.	Revision	Date
HSCC/EV210	1:100	Date
Job No.	Scale	Date
App by	Chkd. by	Prep. by

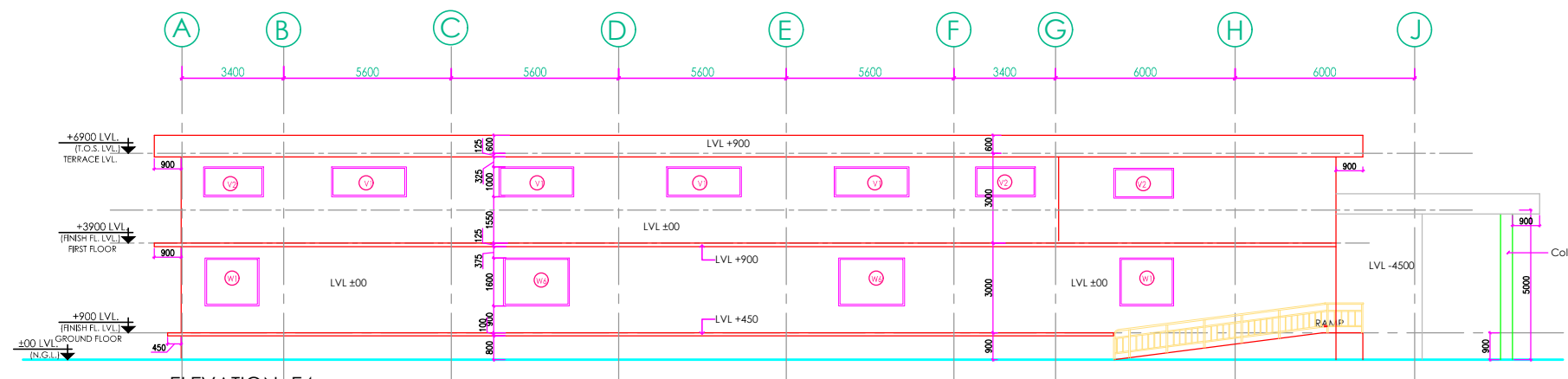
HSCC (INDIA) LIMITED  
(A GOVERNMENT OF INDIA ENTERPRISE)  
**HSCC**  
NEW DELHI INDIA



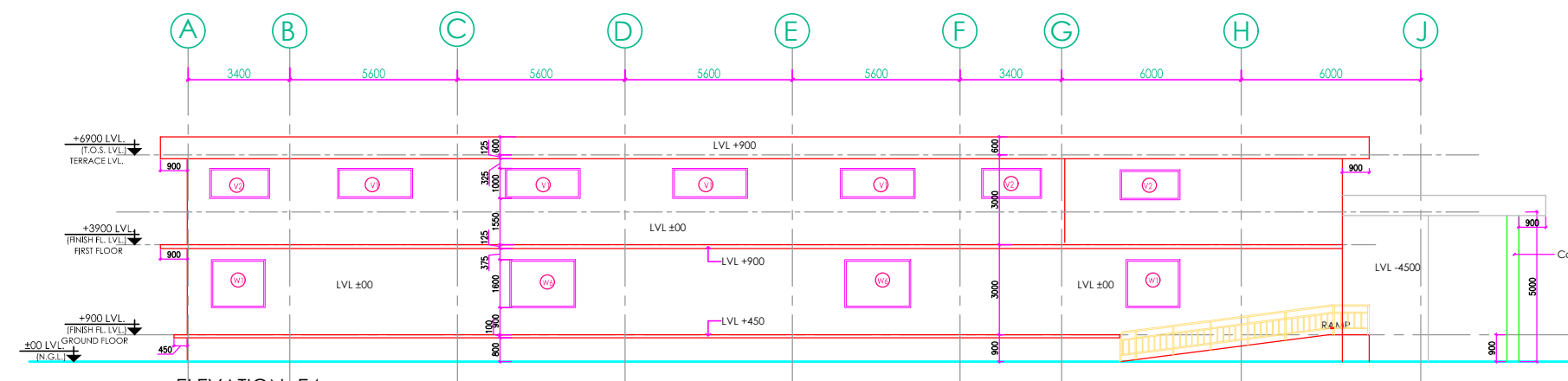
**ELEVATION -E1**



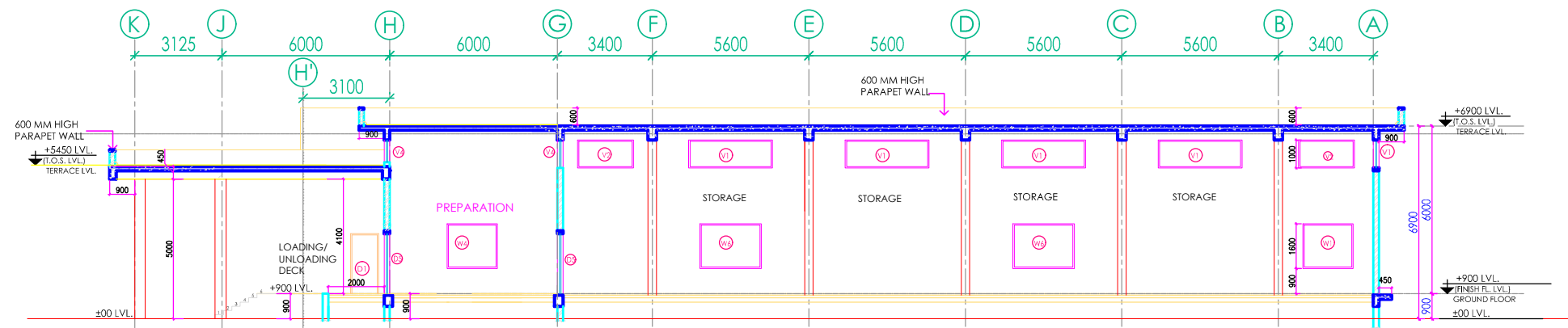
**ELEVATION -E3**



**ELEVATION -E4**



**ELEVATION -E4**



**SECTION XX**

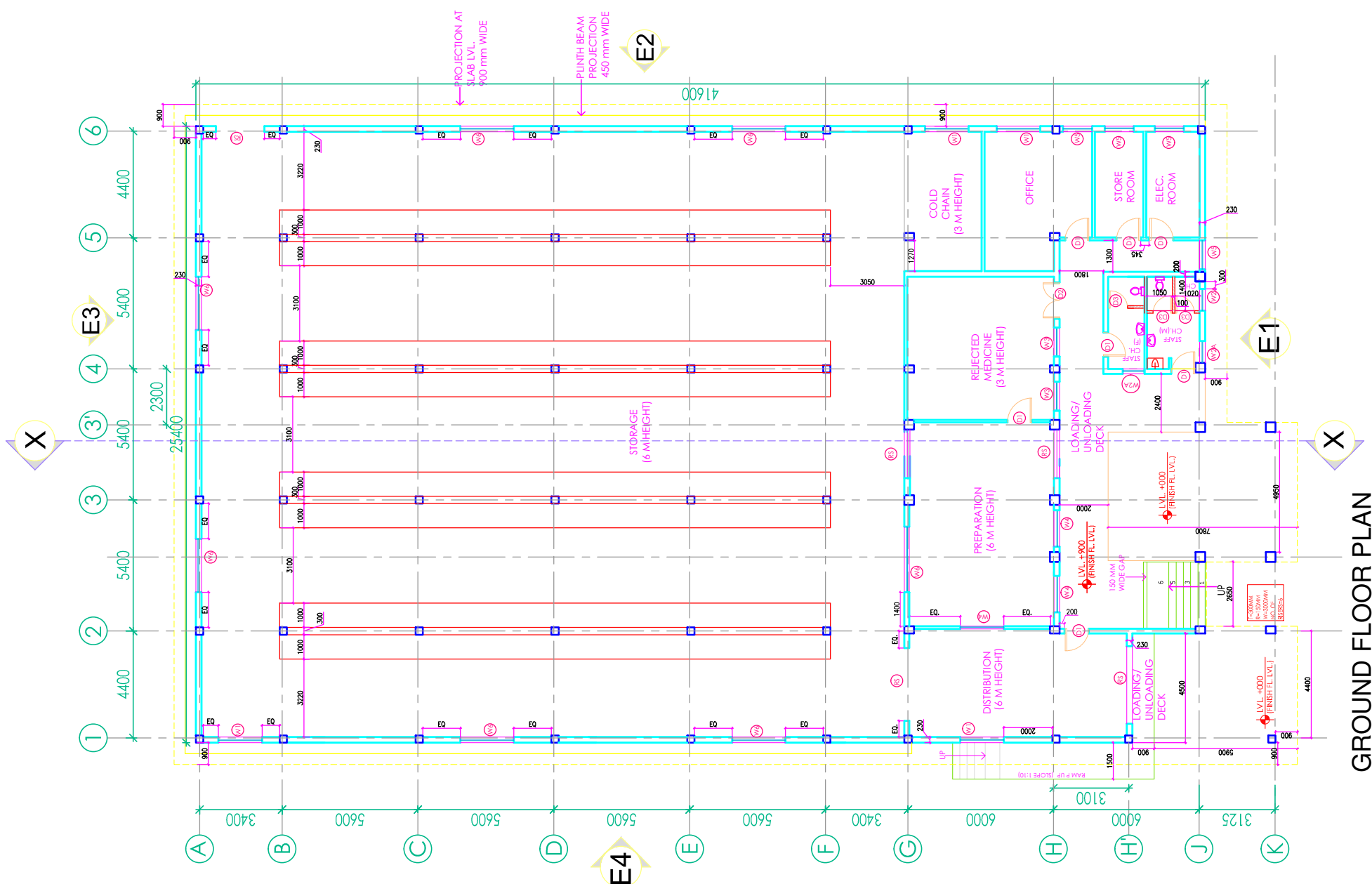
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9. FOR W.P.F., S.P.F., W.P.A. & M.W.S.P. SIZE & LOCATION REFER PLUMBING DRAWINGS.
10. LIFT OPENING AS PER APPROVED LIFT PROVIDER.

**SCHEDULE OF OPENINGS**

S.NO.	TYPE	WIDTH	COL.	LINTEL	REMARKS
1	DS	1500	---	2150	
2	D1	1000	---	2150	
3	D2	1500	---	2150	
4	D3	800	---	2150	
5	DW	2500	300	2150	
6	W6	2200	900	BEAM BOTTOM	
7	W1	1800	900	BEAM BOTTOM	
8	W1A	1800	1350	BEAM BOTTOM	
9	W2	900	900	BEAM BOTTOM	
10	W2A	900	1500	BEAM BOTTOM	
11	W3	1200	300	BEAM BOTTOM	
12	W4	1500	1350	BEAM BOTTOM	
13	W5	1200	900	2150	
14	X3	400	200	BEAM BOTTOM	
15	Y	3000x1000	4500	BEAM BOTTOM	FIXED
16	V1	2500x1000	4500	BEAM BOTTOM	FIXED
17	V2	2000x1000	4500	BEAM BOTTOM	FIXED
18	RS	3000	-	BEAM BOTTOM	
19	RS1	2000	-	BEAM BOTTOM	
20	V4	1500x600	4700	BEAM BOTTOM	FIXED



**GROUND FLOOR PLAN**

**REVISION**

**PROJECT**

Proposed Drug Warehouse at **KANKER, CHATTISGARH**

**TITLE**

**TENDER DRAWING**

**GROUND FLOOR PLAN**

HSCC/EV210/WD/DW/002		Revision
Drawing No.		
<b>HSCC/EV210</b>	<b>1:100</b>	Date
Job No.	Scale	
App by	Chkd. by	Prep. by

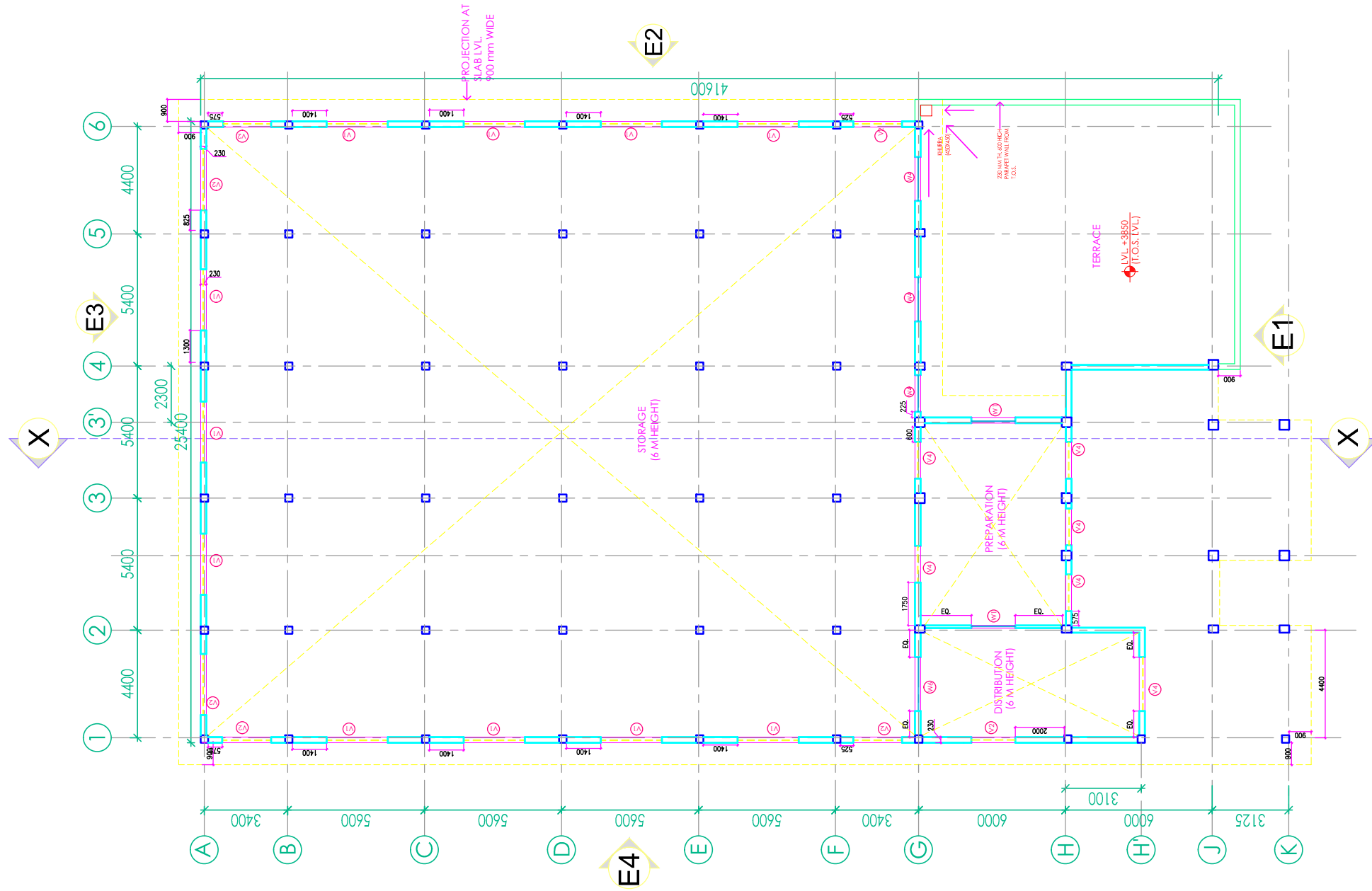
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10. LIFT OPENINGS AS LIFT APPROVED LIFT PROVIDER.

**SCHEDULE OF OPENINGS**

S.NO.	TYPE	WIDTH	CEL.	LINTEL	REMARKS
1	D5	1500	---	2150	
2	D1	1000	---	2150	
3	D2	1500	---	2150	
4	D3	800	---	2150	
5	DW	2500	300	2150	
6	W6	2200	900	[BEAM BOTTOM]	
7	W1	1800	900	[BEAM BOTTOM]	
8	W1A	1800	1350	[BEAM BOTTOM]	
9	W2	900	900	[BEAM BOTTOM]	
10	W2A	900	1500	[BEAM BOTTOM]	
11	W3	1200	300	[BEAM BOTTOM]	
12	W4	1500	1350	[BEAM BOTTOM]	
13	W5	1200	900	2150	
14	X3	400	2000	[BEAM BOTTOM]	
15	Y	3200x1000	4500	[BEAM BOTTOM]	FIXED
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17	V2	2000x1000	4500	[BEAM BOTTOM]	FIXED
18	RS	3000	-	[BEAM BOTTOM]	
19	RS1	2000	-	[BEAM BOTTOM]	
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**TERRACE PLAN AT +3900 LVL.**

**REVISION**

**PROJECT**  
Proposed Drug Warehouse at **KANKER, CHATTISGARH**

**TITLE**  
**TENDER DRAWING**

**TERRACE PLAN AT +Lvl.3900**

HSCC/EV210/WD/DW/003		Revision
Drawing No.	1:100	Date
Job No.	Scale	Prep. by
App by	Chkd. by	

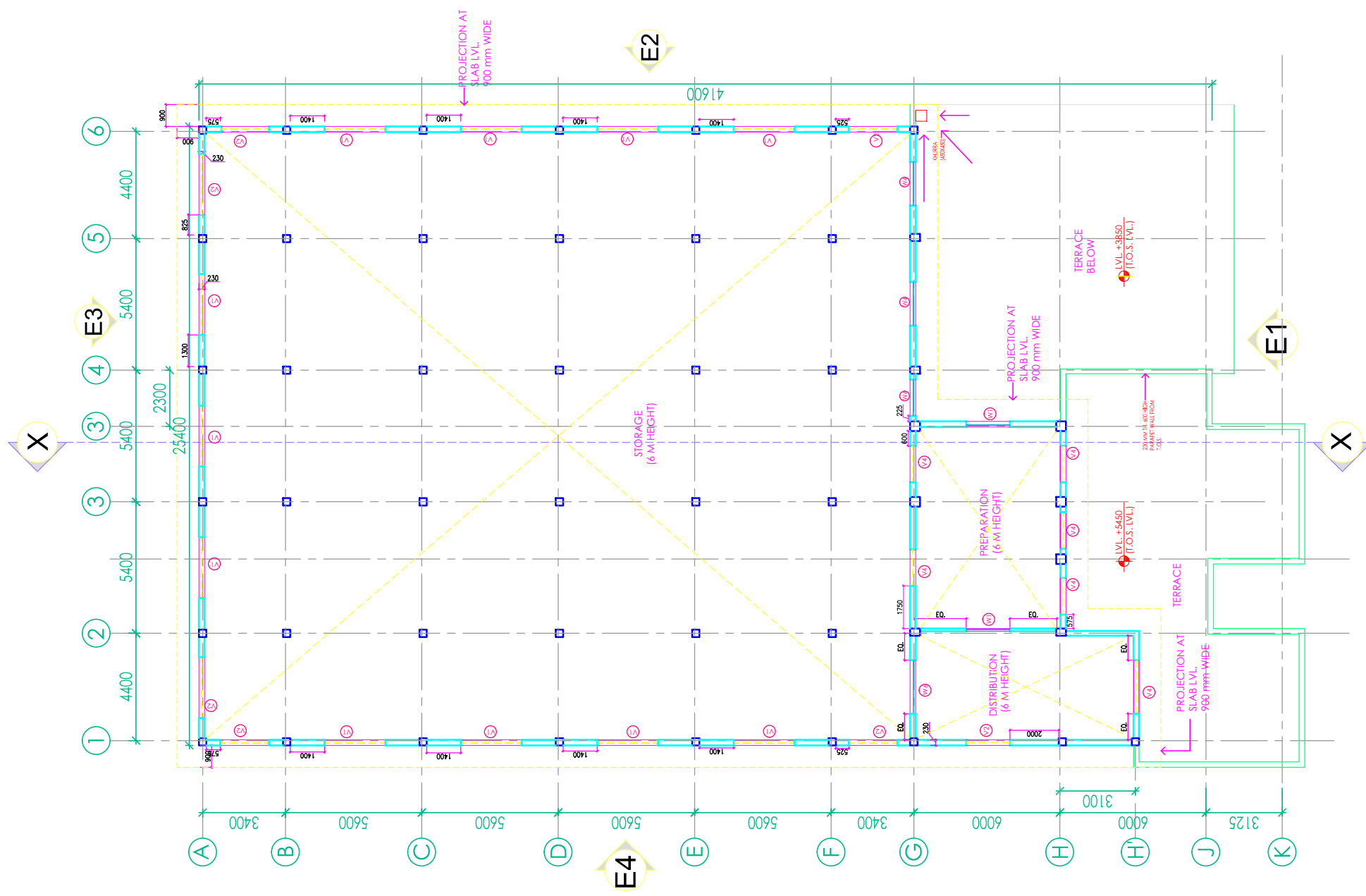
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2	D1	1000	---	2150	
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12	W4	1500	1350	BEAM BOTTOM	
13	W5	1200	900	2150	
14	X3	400	2000	BEAM BOTTOM	
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**TERRACE PLAN AT +5500 LVL.**

**REVISION**

**PROJECT**

Proposed Drug Warehouse at **KANKER, CHATTISGARH**

**TITLE**

**TENDER DRAWING**

**TERRACE PLAN AT +Lvl.5500**

HSCC/EV210/WD/DW/004		Revision
Drawing No.	1:100	Date
Job No.	Scale	Date
App by	Chkd. by	Prep. by

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1	DS	1200	---	2150	
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6	W6	2200	900		[BEAM BOTTOM]
7	W1	1800	900		[BEAM BOTTOM]
8	W1A	1800	1350		[BEAM BOTTOM]
9	W2	900	900		[BEAM BOTTOM]
10	W2A	900	1500		[BEAM BOTTOM]
11	W3	1200	300		[BEAM BOTTOM]
12	W4	1500	1350		[BEAM BOTTOM]
13	W5	1200	900		[BEAM BOTTOM]
14	X3	400	2000		[BEAM BOTTOM]
15	Y	3200x1000	4500		[BEAM BOTTOM] FIXED
16	V1	2500x1000	4500		[BEAM BOTTOM] FIXED
17	V2	2000x1000	4500		[BEAM BOTTOM] FIXED
18	RS	3000	-		[BEAM BOTTOM]
19	RS1	2000	-		[BEAM BOTTOM]
20	V4	1500x600	4700		[BEAM BOTTOM] FIXED

**REVISION**

**PROJECT**

Proposed Drug Warehouse at **KANKER, CHATTISGARH**

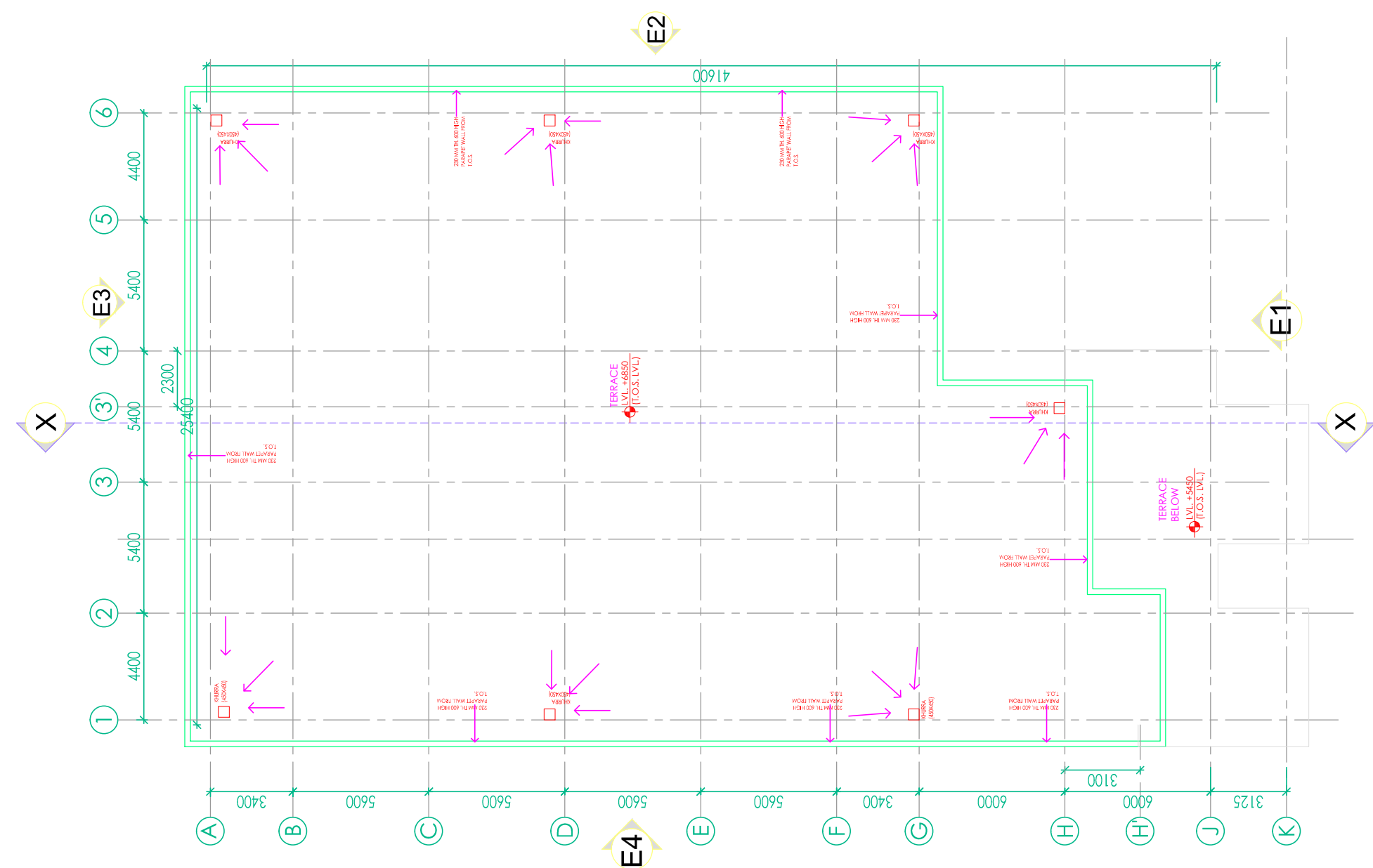
**TITLE**

**TENDER DRAWING**

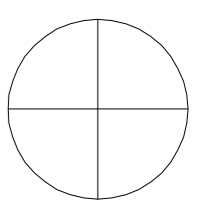
**TERRACE PLAN AT +Lvl.6900**

HSCC/EV210/WD/DW/005		Revision
Drawing No.	1:100	Date
HSCC/EV210 Job No.	Scale	Prep. by
App by	Chkd. by	Prep. by

HSCC (INDIA) LIMITED  
(A GOVERNMENT OF INDIA ENTERPRISE)  
**HSCC**  
NEW DELHI INDIA



**TERRACE PLAN AT +6900 LVL.**



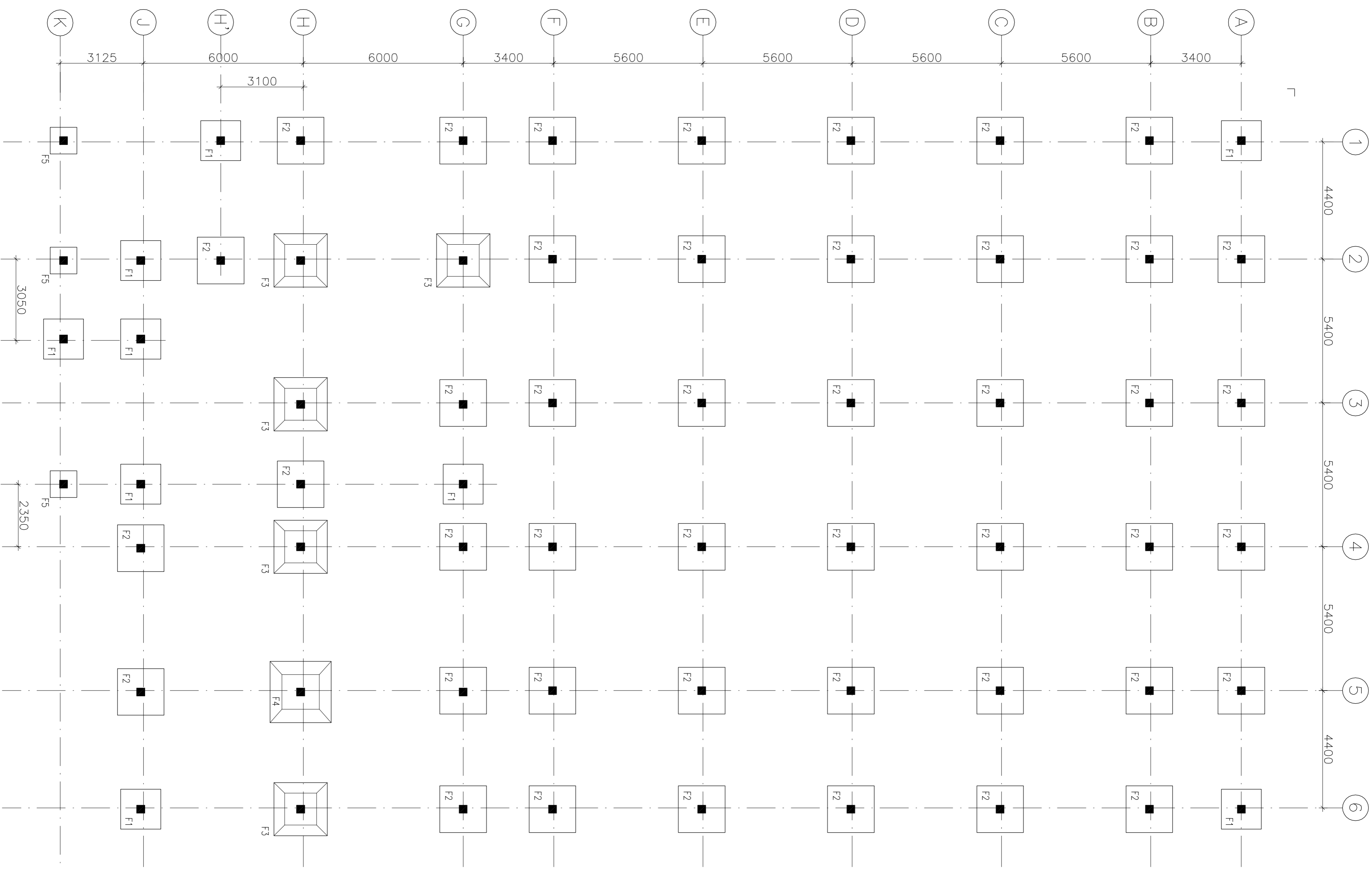
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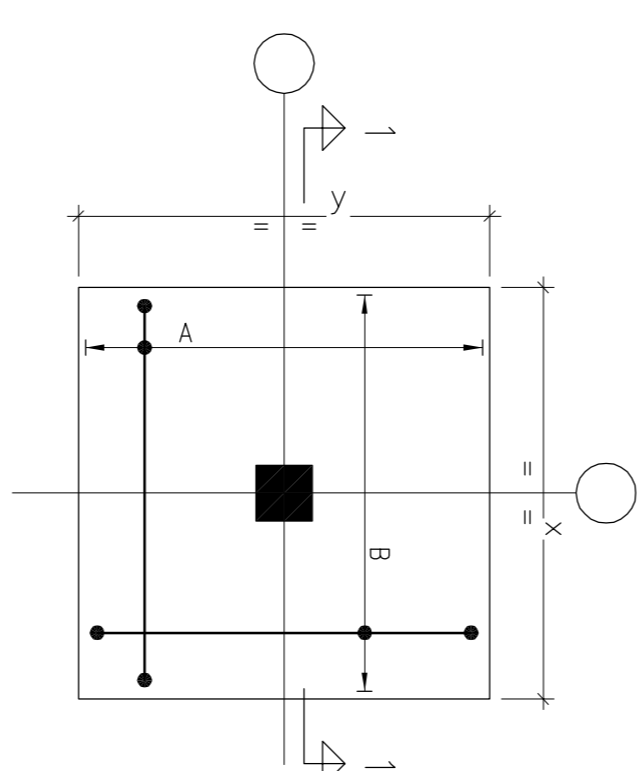
1. ALL DIMENSIONS ARE IN mm & LVS IN m.
2. READ IN CONJUNCTION WITH RELEVANT ARCH. DRG.
3. FINISHED FLOOR LVL TO BE CONFORMED AS/ARCH. DRG. THE SLAB TOP LEVEL TO BE WORKED OUT SUITABLY CONSIDERING FLOOR FINISH THICKNESS.
4. CLEAR COVER OF R/F/F TO BE AS BELOW:-  
FOUNDATION = 50mm  
COLUMN = 40mm  
BEAM = 25mm  
SLAB = 20mm
5. CONC. MIX. TO BE M-25 FOR ALL RCC WORK AS PER IS:456-2000
6. ALL R/F BARS TO BE F-500 Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50xSMALLER BAR  $\phi$  SITE REQUIREMENT.
8. DEVELOPMENT LENGTH = 50xBAR  $\phi$ .

S.No.	MKD.	SIZE(xyy)	THK. (d)	THK. (D)	REINFORCEMENT		REMARKS
					MAIN R/F (A)	SECONDARY R/F (B)	
1	F1	1200x1200	300	300	$\phi 10@50C/C$	$\phi 10@50C/C$	FLAT
2	F2	1400x1400	350	350	$\phi 10@100C/C$	$\phi 10@100C/C$	FLAT
3	F3	1600x1600	250	450	$\phi 12@50C/C$	$\phi 12@50C/C$	TAPERED
4	F4	1900x1900	250	500	$\phi 16@50C/C$	$\phi 16@50C/C$	TAPERED
5	F5	1000x1000	300	300	$\phi 10@200C/C$	$\phi 10@200C/C$	FLAT

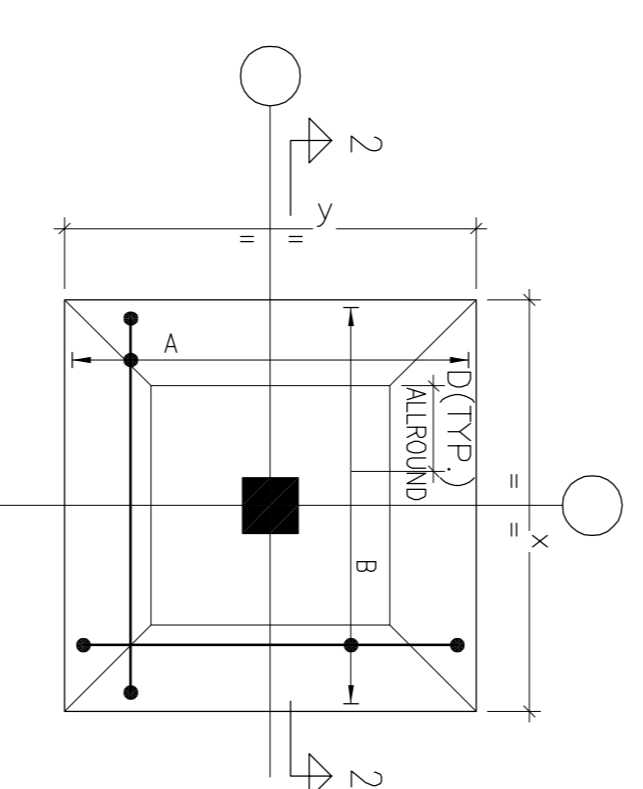
FOOTING SCHEDULE



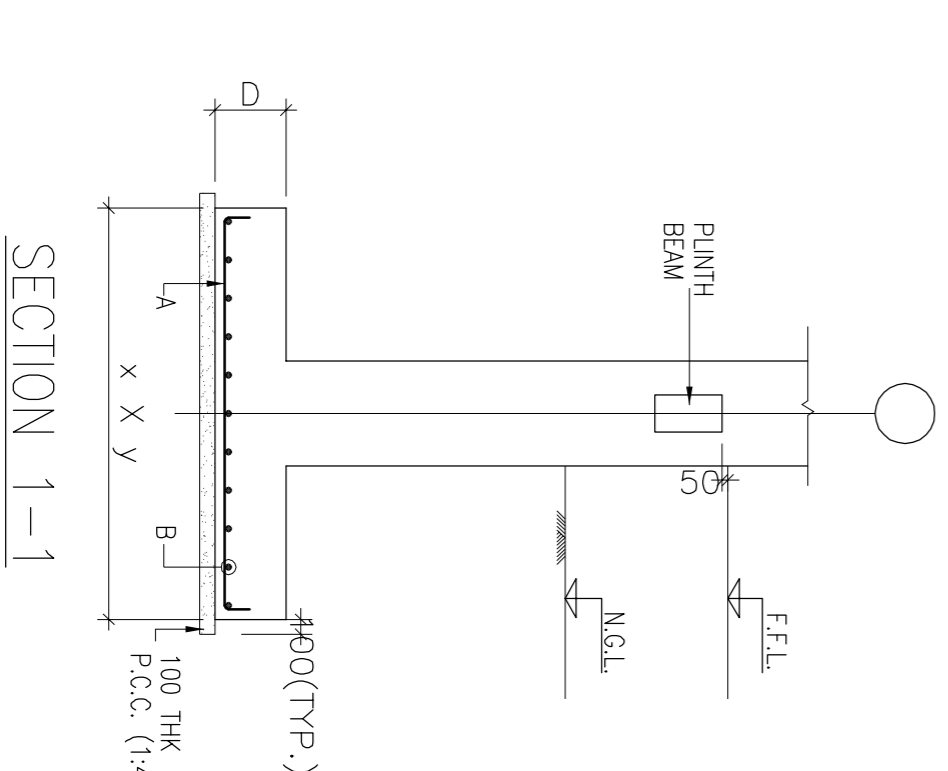
FOUNDATION LAYOUT PLAN



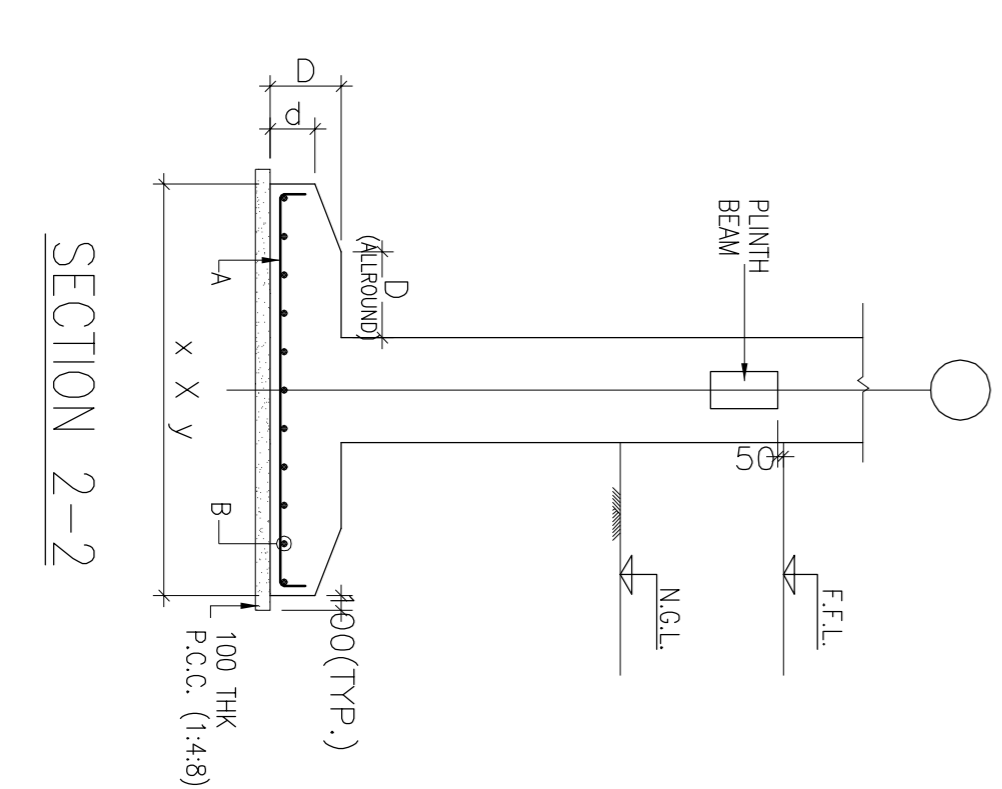
TYPICAL DETAIL OF FLAT FOOTING



TYPICAL DETAIL OF TAPERED FOOTING



SECTION 1-1



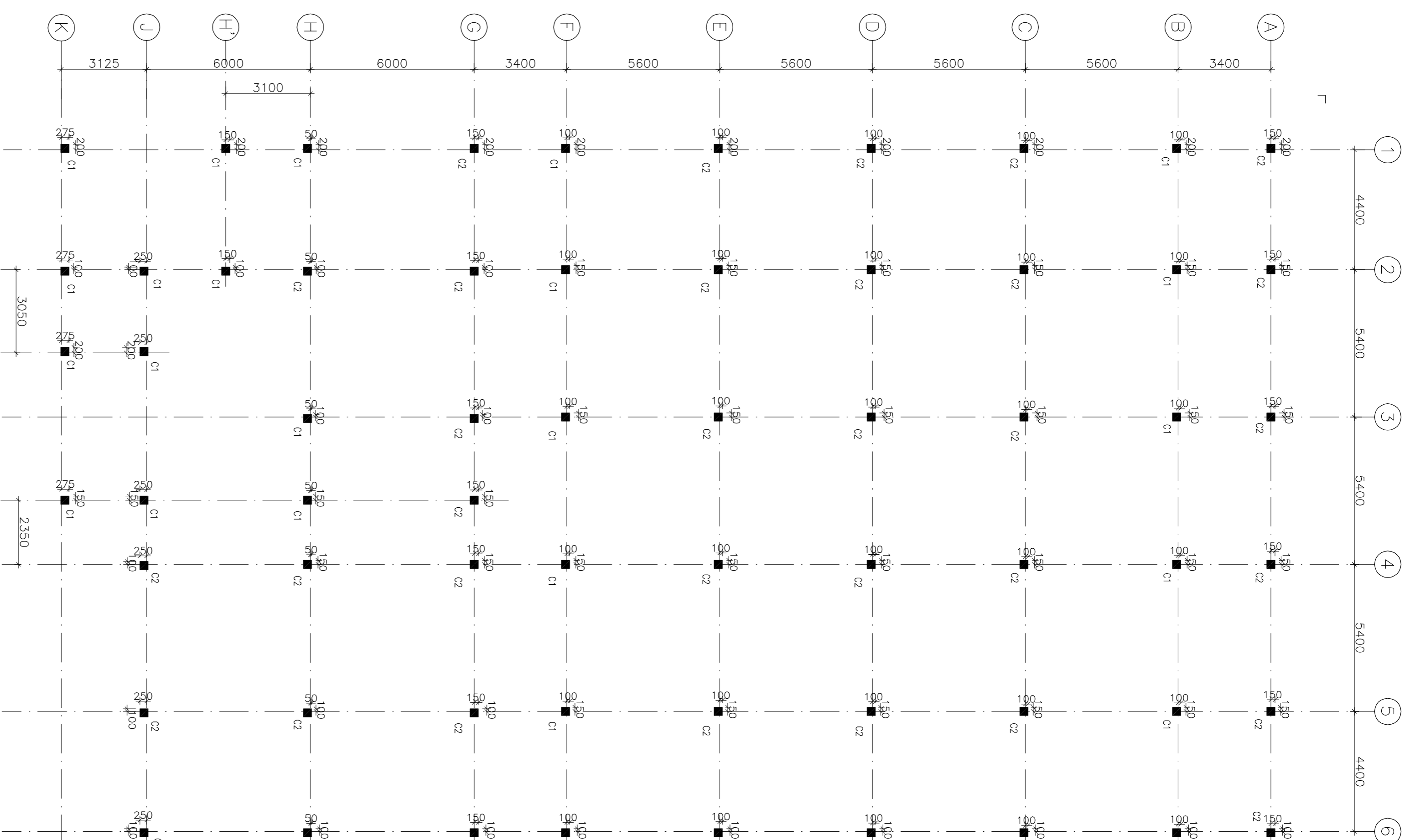
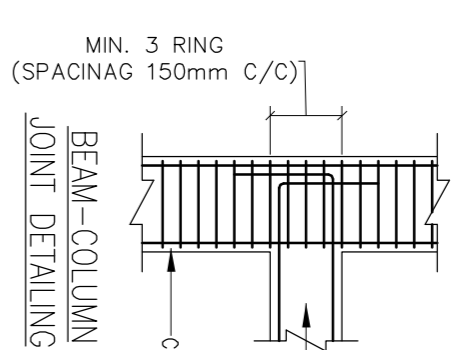
SECTION 2-2

0		
REVI	DATE	DESCRIPTION
<b>REVISION</b>		
<b>PROJECT</b>		
PROPOSED DRUG WARE HOUSE AT <b>KANKER</b> CHATTISGARH		
<b>TITLE</b>		S

FOUNDATION LAYOUT PLAN			
HSCC/D&E/DWH/K	ST-101		
Drawing No.	REV. 0		
HSCC/174	SCALE	DATE	
JOB No.			
APPROVED	REVIEWED	PREPARED	

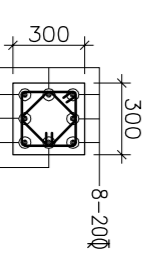
**FOR COLUMNS:-**

1. COLUMNS SHALL BE LAID OUT STRICTLY AS PER COLUMN LAYOUT DRAWING.
2. CLEAR COVER TO REINFORCEMENT (EXCLUSIVE OF PLASTER OR OTHER DECORATIVE FINISH) SHALL BE 40mm.
3. LAPS SPICES SHALL BE PROVIDED STRICTLY IN THE CENTRAL HALF OF THE MEMBER LENGTH (SPUCE ZONE MARKED IN THE ADJACENT SKETCH SHOWING COLUMN SECTION).
4. NOT MORE THAN 50% REINFORCEMENT BARS SHALL BE CURTAILED AT ANY SECTION.
5. TIES / RINGS SHALL BE PROVIDED OVER THE ENTIRE SPUCE LENGTH AT SPACING NOT MORE THAN 150mm CENTRE TO CENTRE.
6. THE COLUMN SPECIAL CONFINING REINFORCEMENT SHALL EXTEND AT LEAST 300mm INTO THE FOOTING OR MAT.

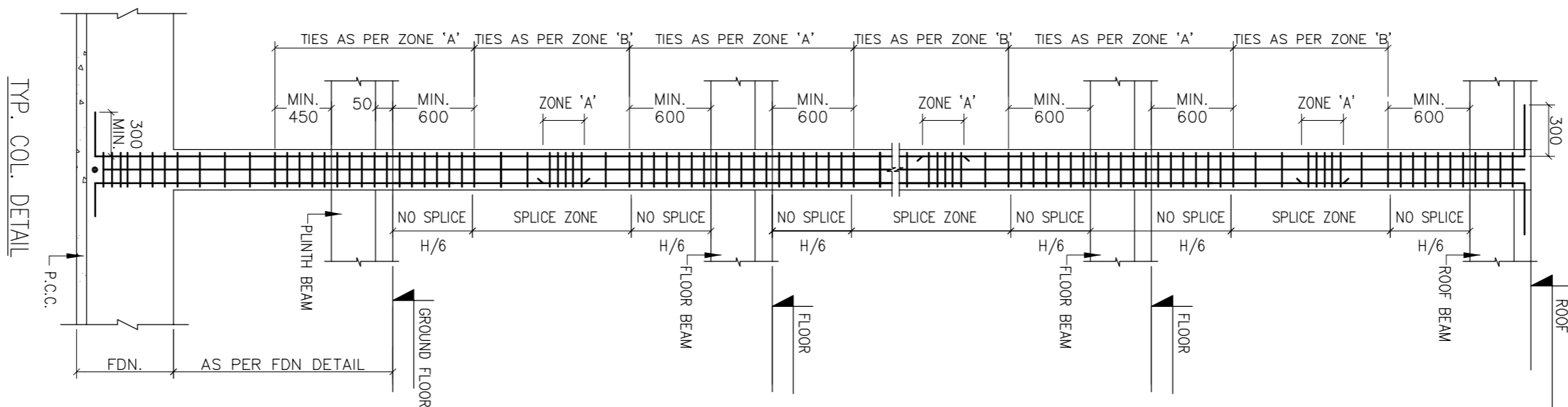
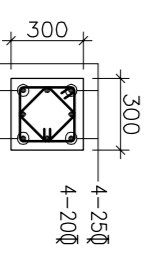


**COLUMN LAYOUT PLAN**

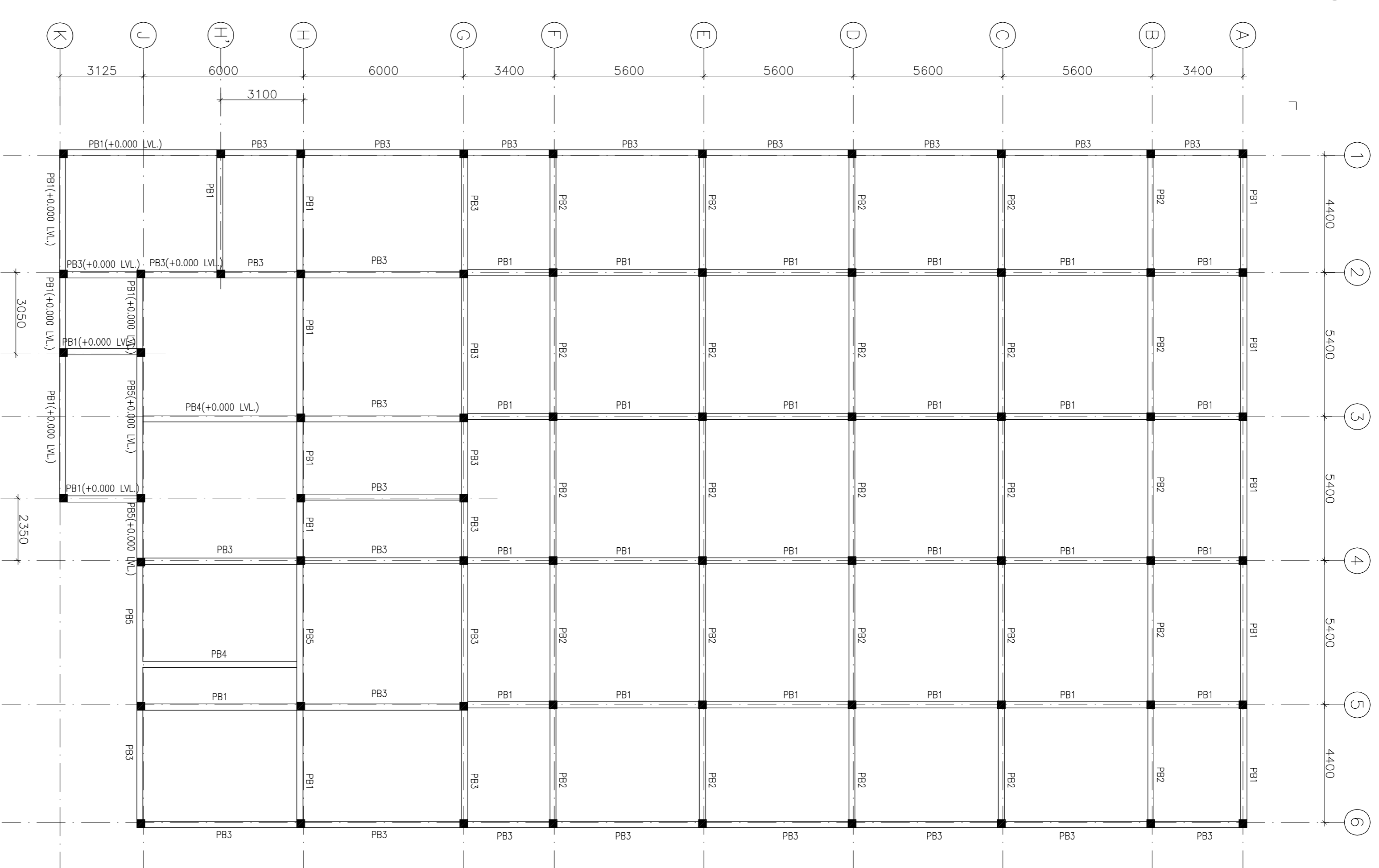
**COLUMN MKD. C1**  
TIES IN ZONE A -  $\phi 8 @ 100$  C/C  
TIES IN ZONE B -  $\phi 8 @ 150$  C/C



**COLUMN MKD. C2**  
TIES IN ZONE A -  $\phi 8 @ 100$  C/C  
TIES IN ZONE B -  $\phi 8 @ 150$  C/C



**TYP. COL. DETAIL**



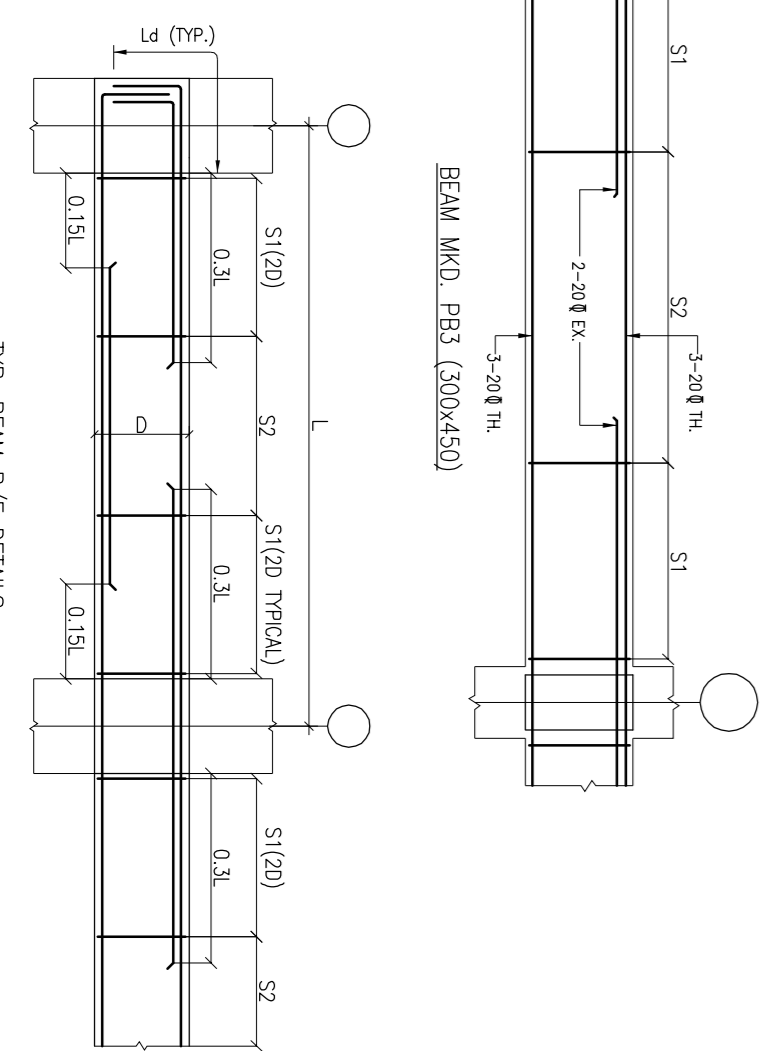
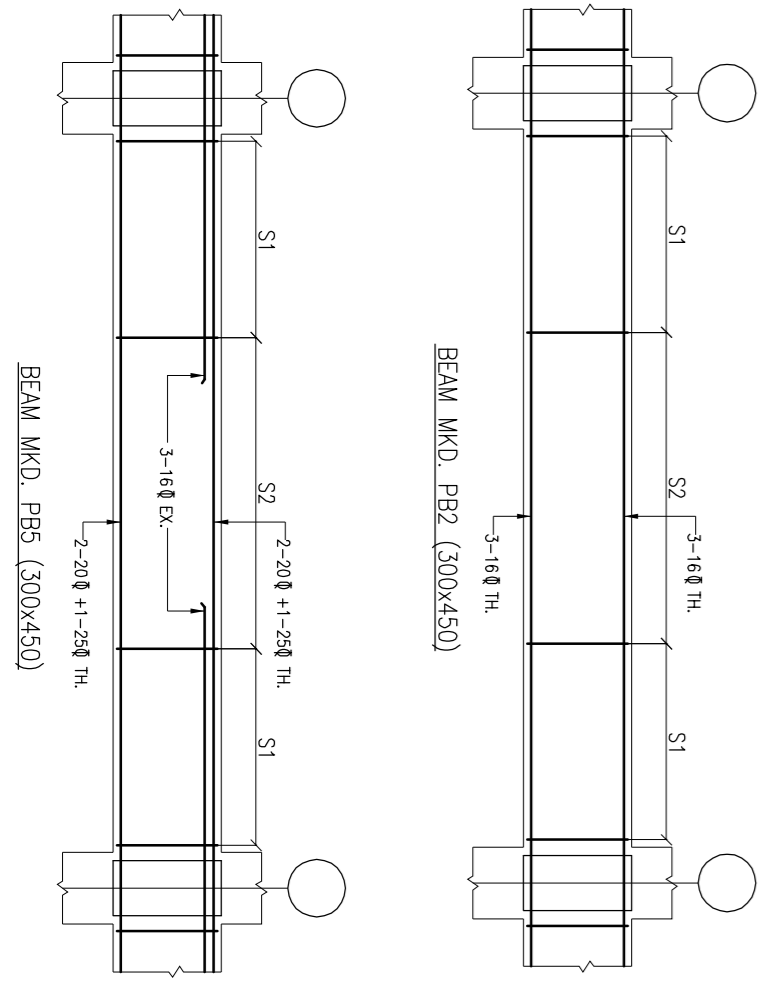
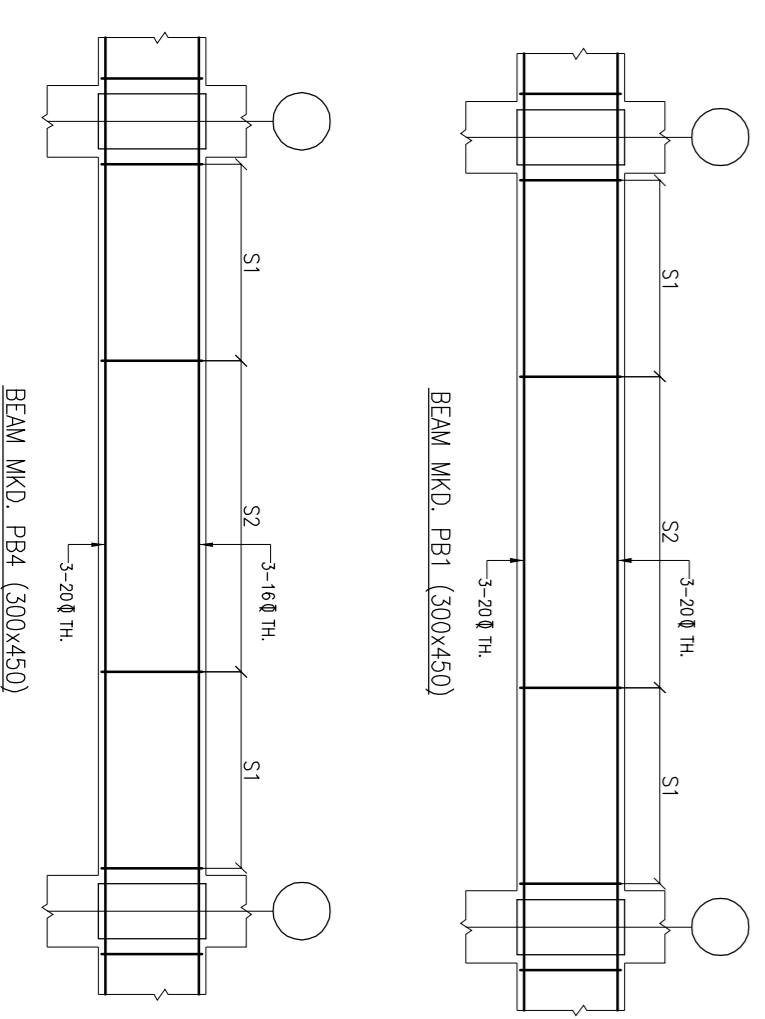
**PLINTH BEAM FRAMING PLAN**  
(ALL BEAM SIZE 300X450 UNO)

STIRRUPS SCHEDULE :-

NO.	DESCRIPTION	SCALE
1	STIRRUPS	AS PER DETAIL

REVISIONS

NO.	DATE	DESCRIPTION
0		



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**NOTES**

1. ALL DIMENSIONS ARE IN mm & LVL'S IN m.
2. READ IN CONJUNCTION WITH RELEVANT ARCH. DRG.
3. FINISHED FLOOR LVL TO BE CONFORMED AS ARCH. DRG. THE SLAB TOP LEVEL TO BE WORKED OUT SUITABLY CONSIDERING FLOOR FINISH THICKNESS.
4. CLEAR COVER OF R/F TO BE AS BELOW:-  
FOUNDATION = 50mm  
COLUMN = 40mm  
BEAM = 25mm  
SLAB = 20mm
5. CONC. MIX. TO BE M-25 FOR ALL RCC WORK AS PER IS:456-2000
6. ALL R/F BARS TO BE F-500 Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50x SMALLER BAR  $\phi$  SITE REQUIREMENT.
8. DEVELOPMENT LENGTH = 50x BAR  $\phi$ .

**REVISION**

REV. DATE	DESCRIPTION
0	

**PROJECT**

PROPOSED  
DRUG WARE HOUSE  
AT **KANER** CHATTISGARH

**TITLE**

S
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**HSCC/D&E/DWH/K ST-102**

COLUMN LAYOUT &  
PLINTH BEAM DETAILS

Drawing No. **REV. 0**

HSCC/174	SCALE	DATE

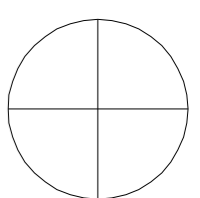
APPROVED

REVIEWED	PREPARED
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NEW DELHI

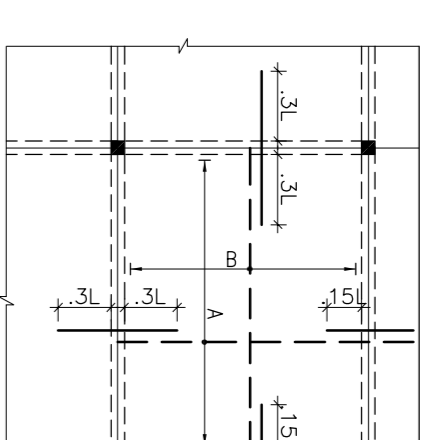




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**NOTES**

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4. CLEAR COVER OF R/F TO BE AS BELOW:-  
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BEAM = 25mm  
SLAB = 20mm
5. CONC. MIX. TO BE M-25 FOR ALL RCC WORK AS PER IS:456-2000
6. ALL R/F BARS TO BE F-500 Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50x SMALLER BAR  $\phi$  SITE REQUIREMENT.
8. DEVELOPMENT LENGTH = 50x BAR  $\phi$

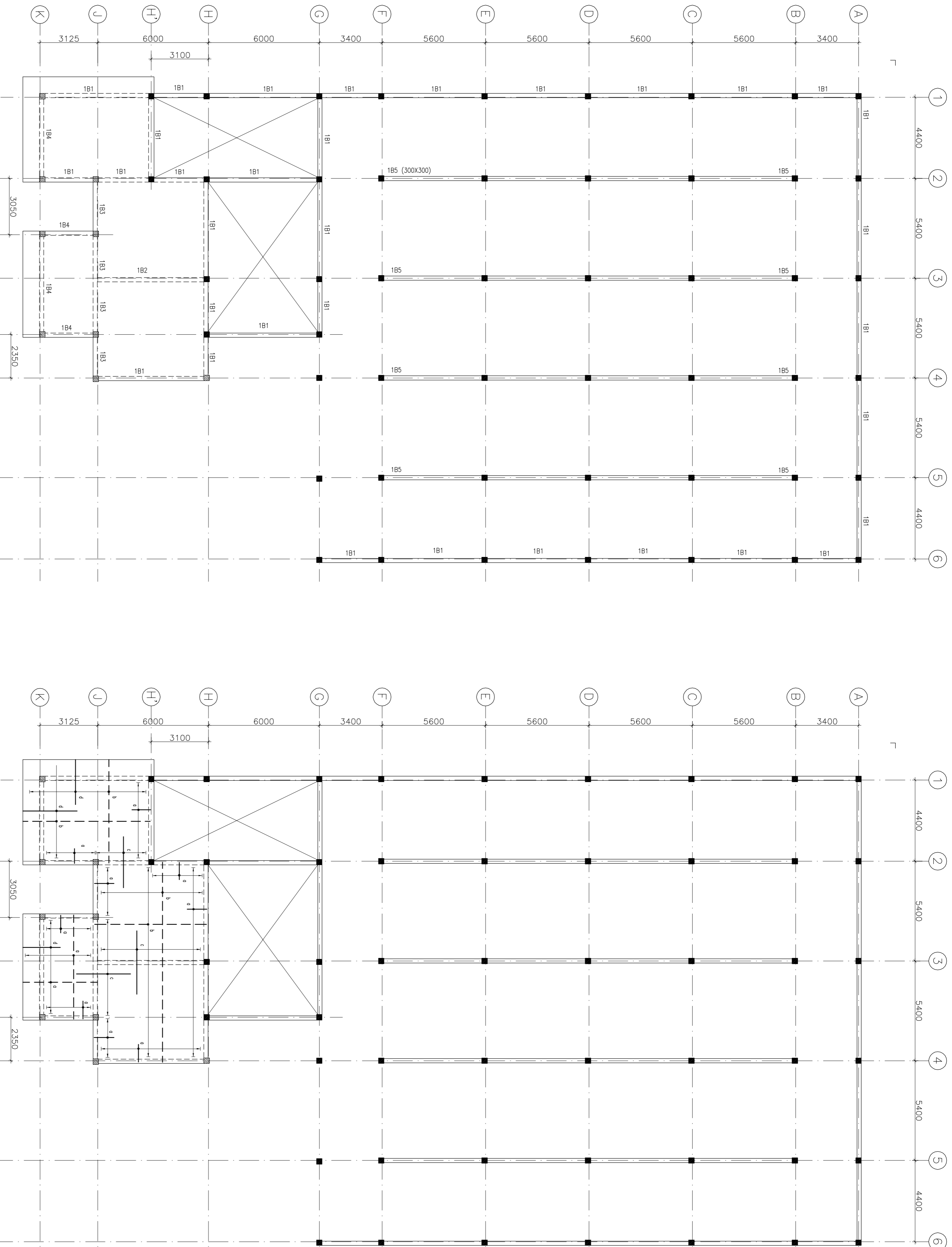


TYP. SLAB R/F DETAIL

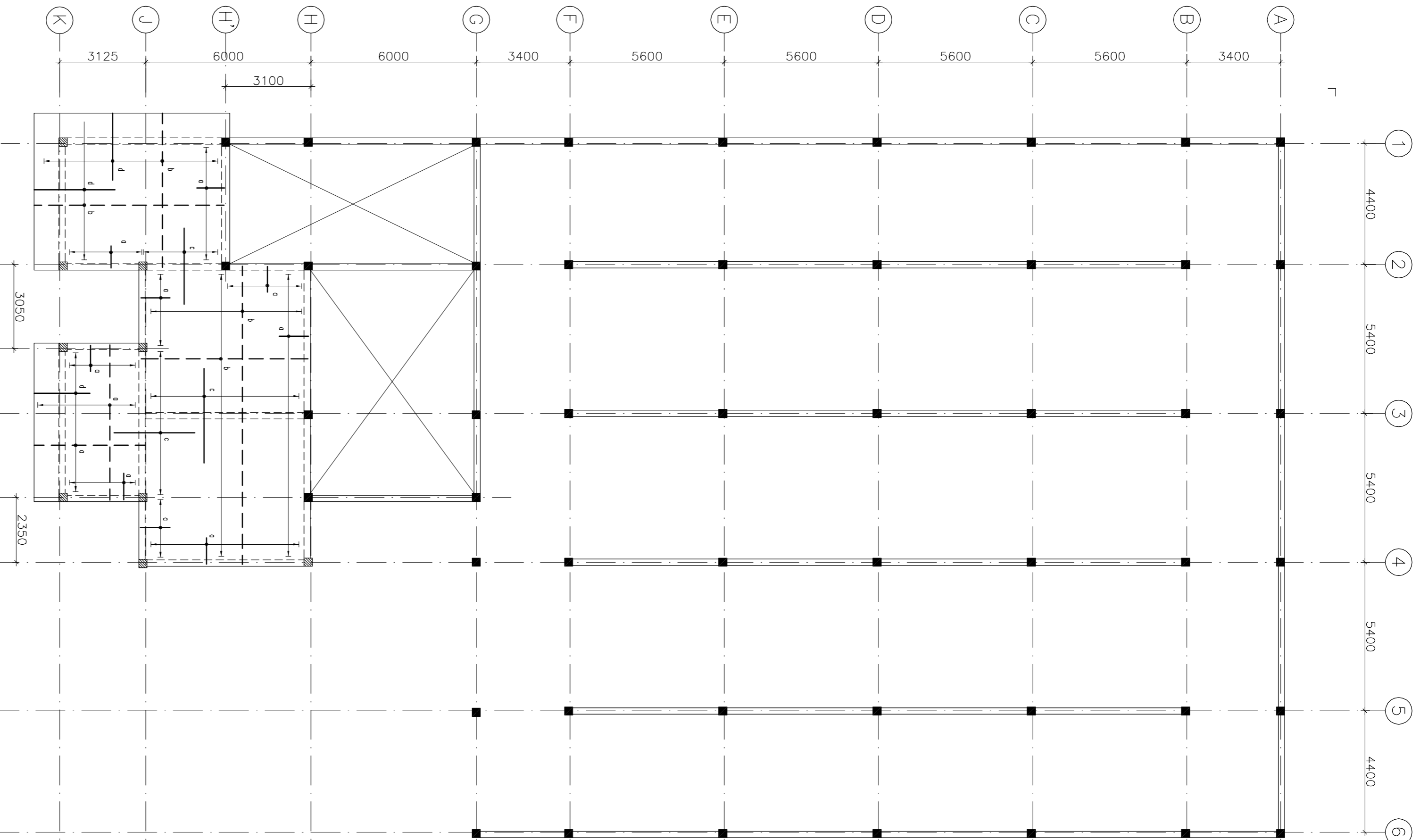
**R/F SCHEDULE:**

a - 8 $\phi$ @ 200 C/C
b - 8 $\phi$ @ 150 C/C
c - 8 $\phi$ @ 125 C/C
d - 8 $\phi$ @ 100 C/C

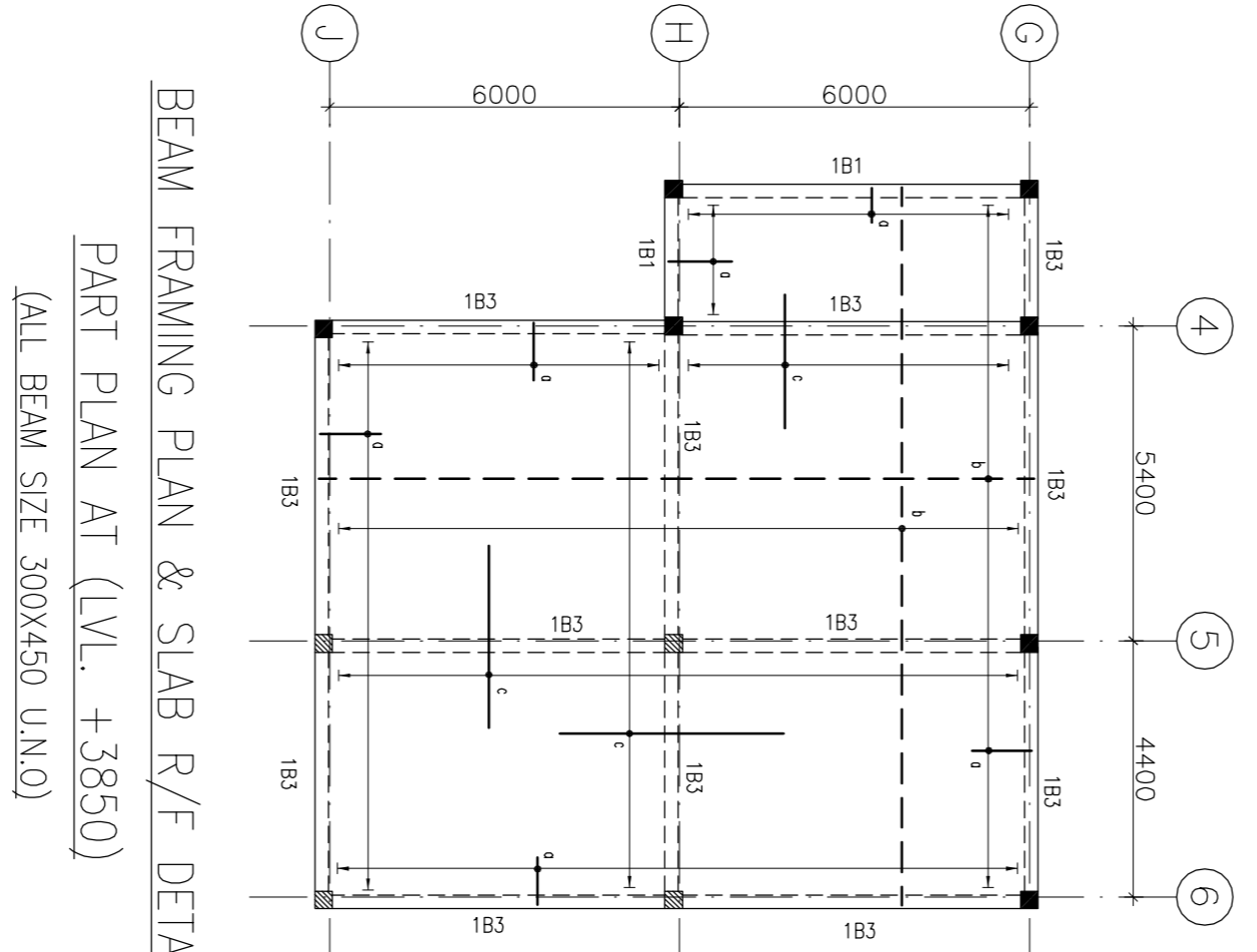
WHERE BAR NOT SHOWN PROVIDE DEVELOPMENT LENGTH AS PER IS:1786



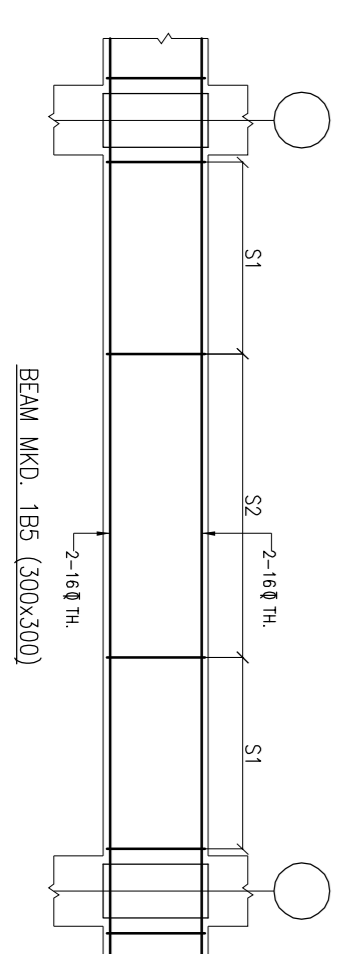
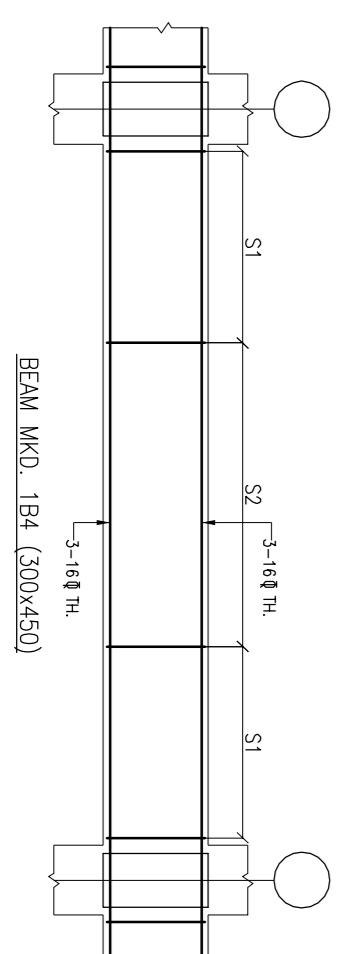
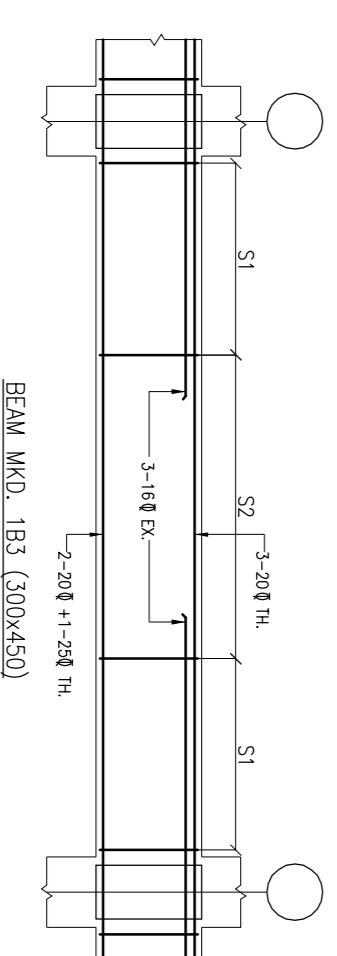
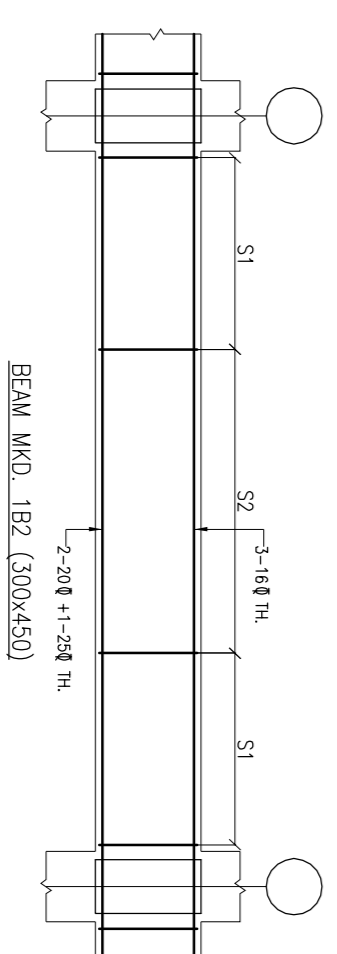
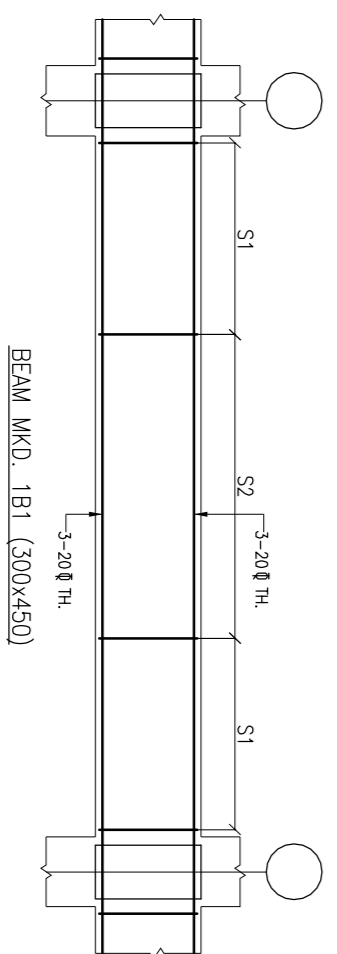
FIRST FLOOR BEAM FRAMING PLAN AT (LVL. +5400)  
(ALL BEAM SIZE 300X450 UNO)



FIRST FLOOR SLAB R/F DETAILS AT (LVL. +5400)  
(ALL SLAB THIK. 150 mm UNO)

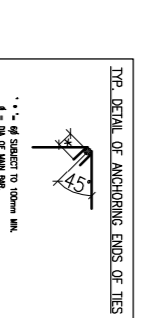


BEAM FRAMING PLAN & SLAB R/F DETAILS  
PART PLAN AT (LVL. +3850)  
(ALL BEAM SIZE 300X450 UNO)  
(ALL SLAB THIK. 150 mm UNO)



STEELING SCHEDULE :-

NO.	MARK	FINISH
1	1B1	2 $\phi$ 14 @ 100 C/C
2	1B2	2 $\phi$ 14 @ 150 C/C
3	1B3	2 $\phi$ 14 @ 125 C/C
4	1B4	2 $\phi$ 14 @ 100 C/C



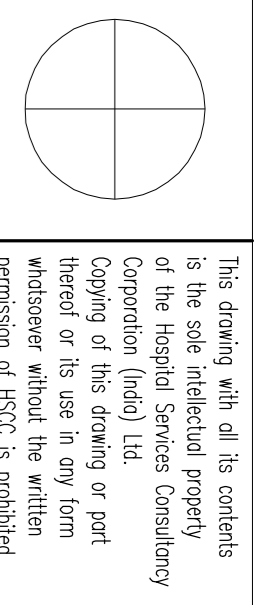
HSCC/D&E/DWH/K	ST-103
Drawing No.	REV. 0
HSCC/174	SCALE
JOB No.	DATE
APPROVED	REVIEWED
	PREPARED

FIRST FLOOR BEAM FRAMING PLAN & SLAB R/F DETAILS

**PROJECT**  
PROPOSED  
DRUG WARE HOUSE  
AT KANER CHATTISGARH

**TITLE**  
S

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**NOTES**

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4. CLEAR COVER OF R/F TO BE AS BELOW:-  
FOUNDATION = 50mm  
COLUMN = 40mm  
BEAM = 25mm  
SLAB = 20mm
5. CONC. MIX. TO BE M-25 FOR ALL RCC WORK AS PER IS:456-2000
6. ALL R/F BARS TO BE Fe500 Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50x SMALLER BAR Ø SITE REQUIREMENT.
8. DEVELOPMENT LENGTH = 50x BAR Ø.

REV. DATE	DESCRIPTION
0	

**REVISION**

**PROJECT**

PROPOSED  
DRUG WARE HOUSE  
AT KANKER, CHATTISGARH

**TITLE**

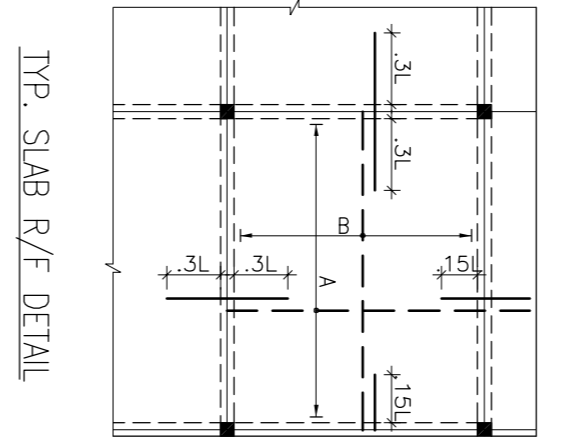
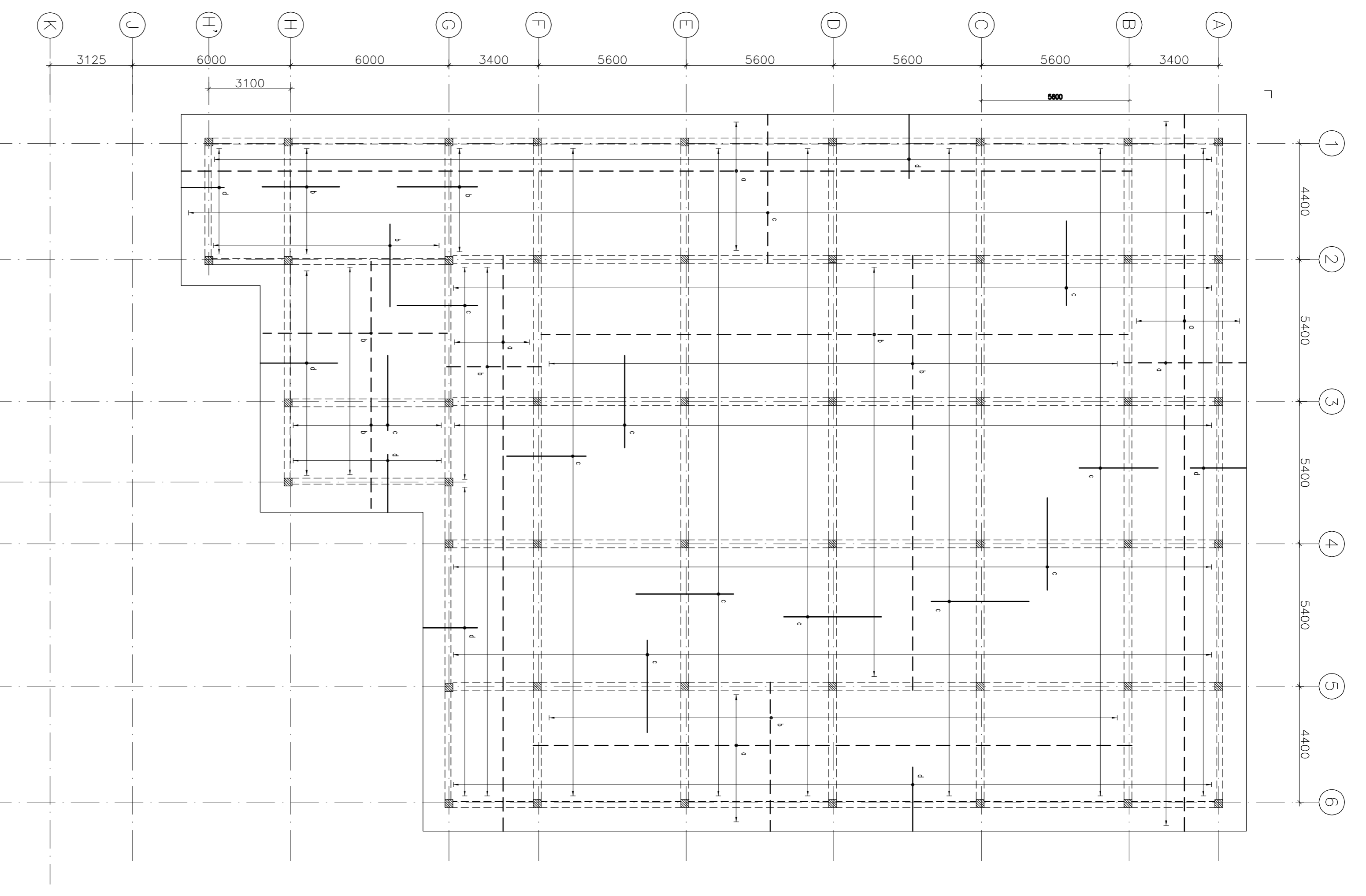
TERRACE BEAM FRAMING PLAN &  
SLAB R/F DETAILS

ST-104

HSCC/D&E/DWH/K	ST-104
Drawing No.	REV. 0
HSCC/174	SCALE
JOB No.	DATE
APPROVED	REVIEWED
	PREPARED

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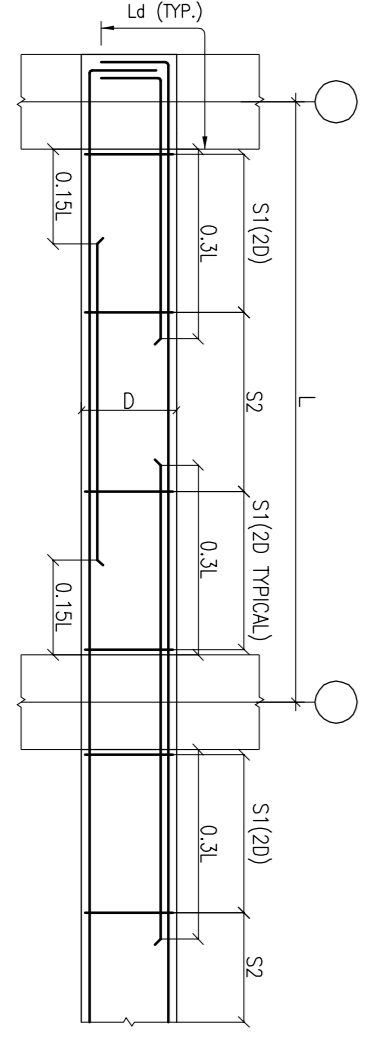
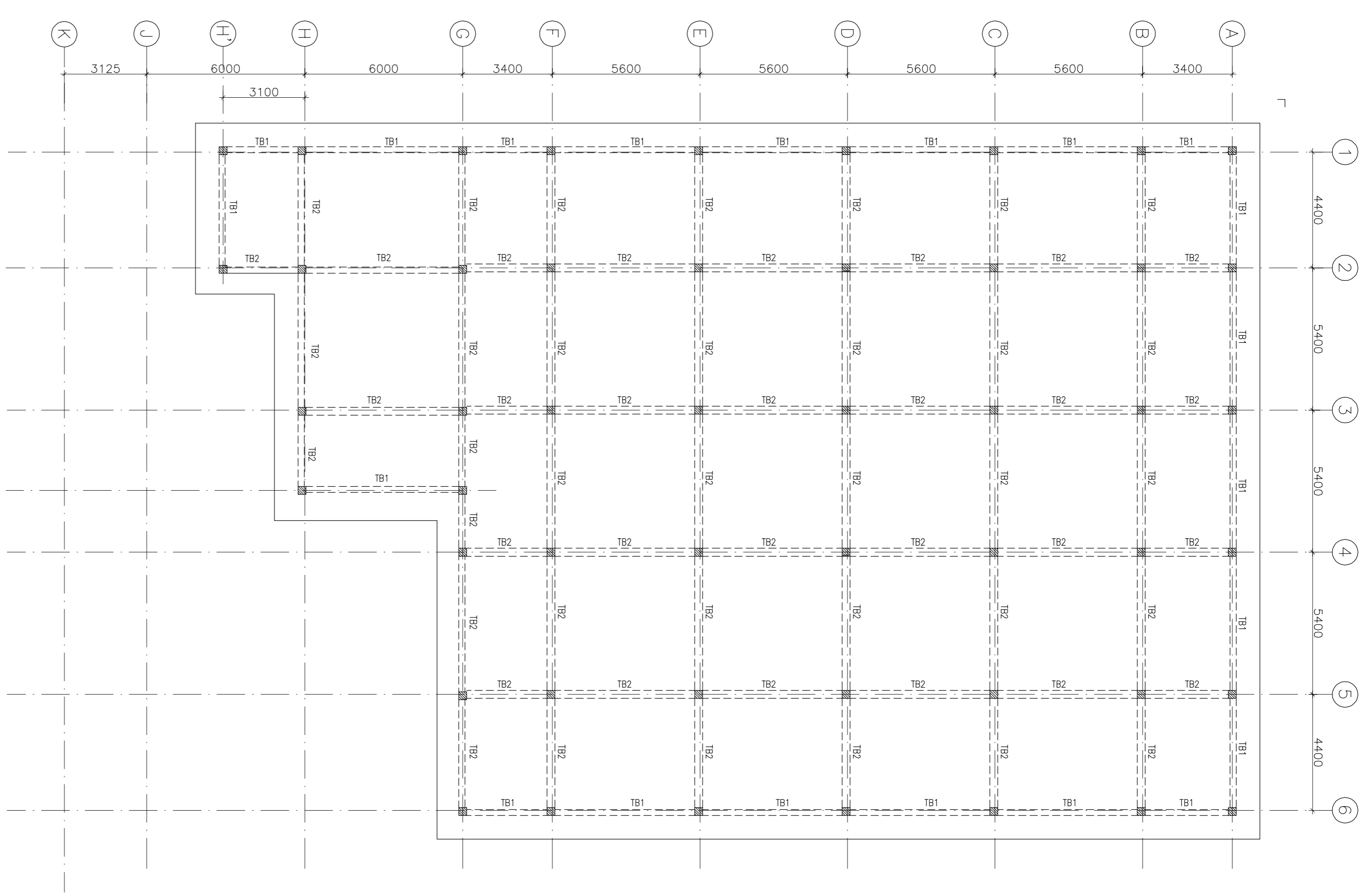
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NEW DELHI



R/F SCHEDULE:

a - 8ø 175 C/C
b - 8ø 150 C/C
c - 8ø 175 C/C
d - 8ø 100 C/C

WHERE EVER NOT GIVEN PROVIDE DISTRIBUTION R/F 8ø 200/C



SPINDLES SCHEDULE :-

100	8ø 150 C/C
2	8ø 200 C/C

