

**CHHATTISGARH MEDICAL SERVICES CORPORATION  
LIMITED**

**(Government of Chhattisgarh)**

**Tender**

**For**

**Construction of 100 bedded MCH wing at Bilaspur (CG.),  
under National Rural Health Mission scheme**

**Tender Drawings**

**VOLUME-VI**

**October' 2014**



**HSCC (INDIA) LTD.  
(CONSULTANTS & ENGINEERS FOR MEGA HOSPITALS & LABORATORIES)  
E-6(A), sector-1, NOIDA(U.P) 201301 (India)**

Phone : 0120-2542436-40

Fax : 0120-2542447

**Tender No. HSCC/NRHM/CG/2014 (V) /01**

# ARCHITECTURE

S.NO.	TYPE	WIDTH	CILL	LINTEL	REMARKS
1	D1	1000	—	2150	
2	D2	1500	—	2150	
3	D3	2000	—	2150	
4	D5	1350	—	2150	
5	TD	750	—	2150	TOILET DOOR
6	DW1	5600	00	BEAM BOTTOM	
7	G1	4000	00	BEAM BOTTOM	
8	DG2	5600	00	BEAM BOTTOM	
9	DG3	5600	00	BEAM BOTTOM	
10	G4	5000	00	BEAM BOTTOM	
11	G5	5600	00	2150	
12	W1	2000	900	BEAM BOTTOM	
13	W2	2500	900	BEAM BOTTOM	
14	W3	2400	900	BEAM BOTTOM	
15	W4	1800	900	BEAM BOTTOM	
16	W5	1500	900	BEAM BOTTOM	
17	W6	1200	900	BEAM BOTTOM	
18	W7	900	900	BEAM BOTTOM	
19	W8	1275	1200	2150	
20	V1	600	2150	BEAM BOTTOM	
21	F1	1500	2150	BEAM BOTTOM	

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**NOTES**

REV	DATE	DESCRIPTION
REVISION		

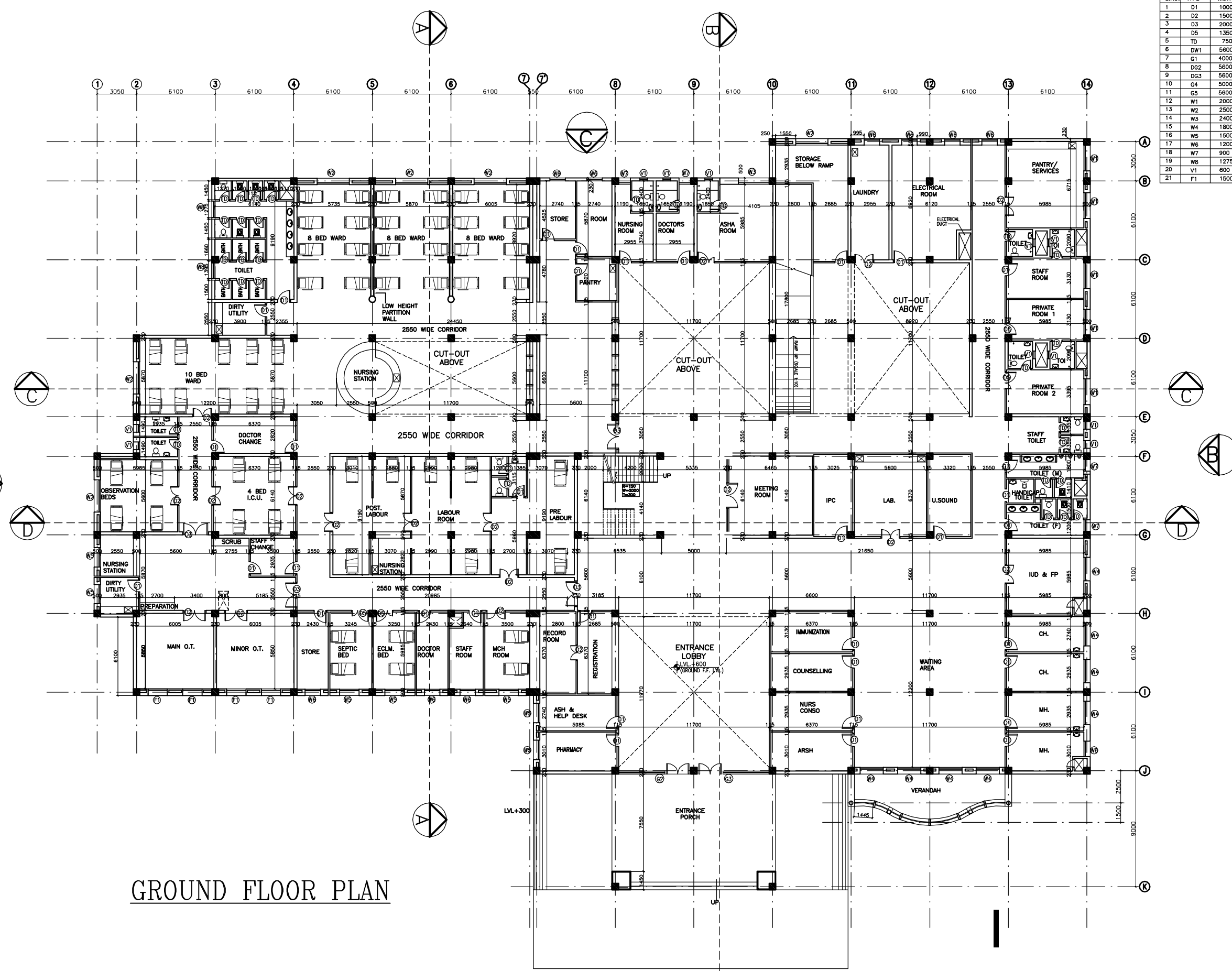
**PROJECT**  
 RMNCH PROJECT  
 Proposed  
 100 Bedded Hospital  
 at  
 CHATTISGARH

**TITLE**  
 GROUND FLOOR PLAN  
 (COVERED AREA=3022 SQ. MT.)  
 working DRAWINGS  
 (ARCHITECTURE)

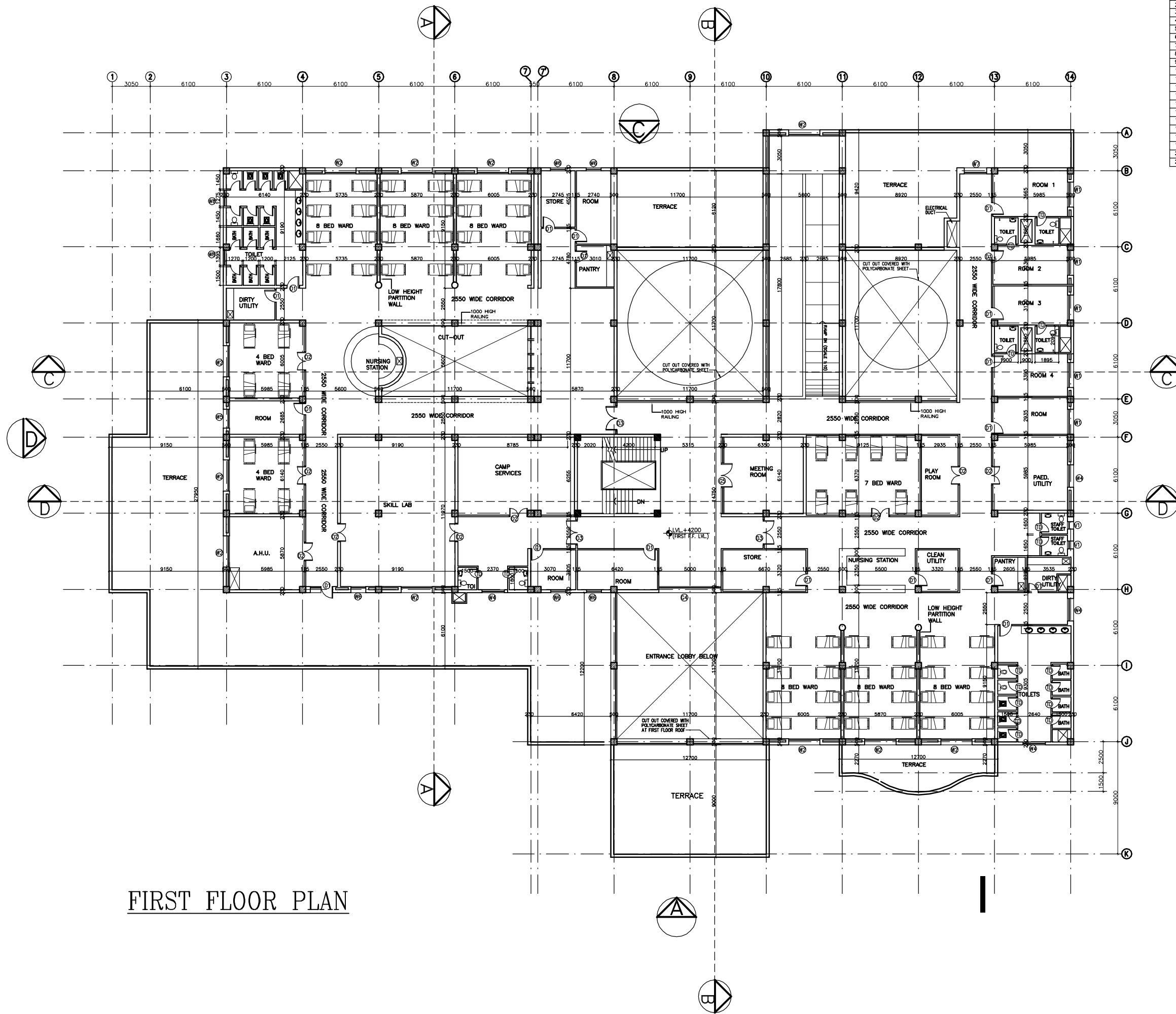
HSCC/100 BED/TD/002 R-0  
 Drawing No. Rev.

Job No. Scale 1:150 Date 27-05-2013

App by Rev. by Prep. by



**GROUND FLOOR PLAN**



FIRST FLOOR PLAN

S.NO.	TYPE	WIDTH	CILL	LINTEL	REMARKS
1	D1	1000	—	2150	
2	D2	1500	—	2150	
3	D3	2000	—	2150	
4	D5	1350	—	2150	
5	TD	750	—	2150	TOILET DOOR
6	DW1	5600	00	BEAM BOTTOM	
7	G1	4000	00	BEAM BOTTOM	
8	DG2	5600	00	BEAM BOTTOM	
9	DG3	5600	00	BEAM BOTTOM	
10	G4	5000	00	BEAM BOTTOM	
11	G5	5600	00	2150	
12	W1	2000	900	BEAM BOTTOM	
13	W2	2500	900	BEAM BOTTOM	
14	W3	2400	900	BEAM BOTTOM	
15	W4	1800	900	BEAM BOTTOM	
16	W5	1500	900	BEAM BOTTOM	
17	W6	1200	900	BEAM BOTTOM	
18	W7	900	900	BEAM BOTTOM	
19	W8	1275	1200	2150	
20	V1	600	2150	BEAM BOTTOM	
21	F1	1500	2150	BEAM BOTTOM	

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NOTES

REV	DATE	DESCRIPTION
REVISION		

**PROJECT**  
 RMNCH PROJECT  
 Proposed  
 100 Bedded Hospital  
 at  
 CHATTISGARH

**TITLE**  
 FIRST  
 FLOOR PLAN  
 (COVERED AREA=2050 SQ. MT.)

working DRAWINGS  
 (ARCHITECTURE)

HSCC/100 BED/TD/003 R-0  
 Drawing No. Rev.

Job No. 1:150 Scale 27-05-2013 Date

App by Rev. by Prep. by

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NOTES

REV	DATE	DESCRIPTION

**PROJECT**  
 RMNCH PROJECT  
 Proposed  
 100 Bedded Hospital  
 at  
 CHATTISGARH

**TITLE**  
 TERRACE  
 FLOOR PLAN

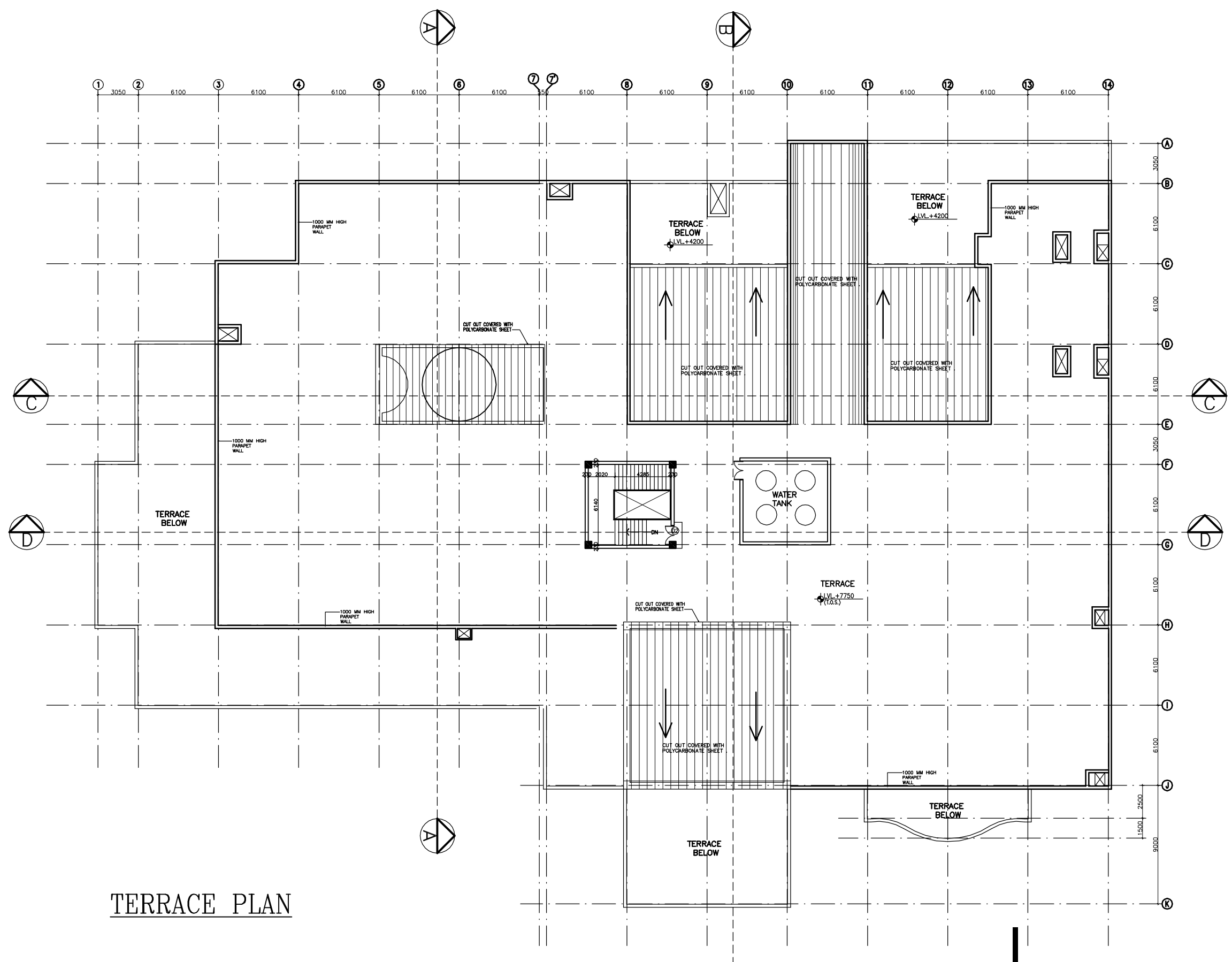
working DRAWINGS  
 (ARCHITECTURE)

HSCC/100 BED/TD/003 R-0  
 Drawing No. Rev.

Job No. 1:150 Scale 27-05-2013 Date

App by Rev. by Prep. by

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 (A GOVERNMENT OF INDIA ENTERPRISES)  
**HSCC**  
 NEW DELHI INDIA



TERRACE PLAN

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**NOTES**

REV	DATE	DESCRIPTION
REVISION		

**PROJECT**  
 RMNCH PROJECT  
 Proposed  
 100 Bedded Hospital  
 at  
 CHATTISGARH

**TITLE**  
 ELEVATION  
 working DRAWINGS  
 (ARCHITECTURE)

HSCC/100 BED/TD/004 R-0  
 Drawing No. Rev.

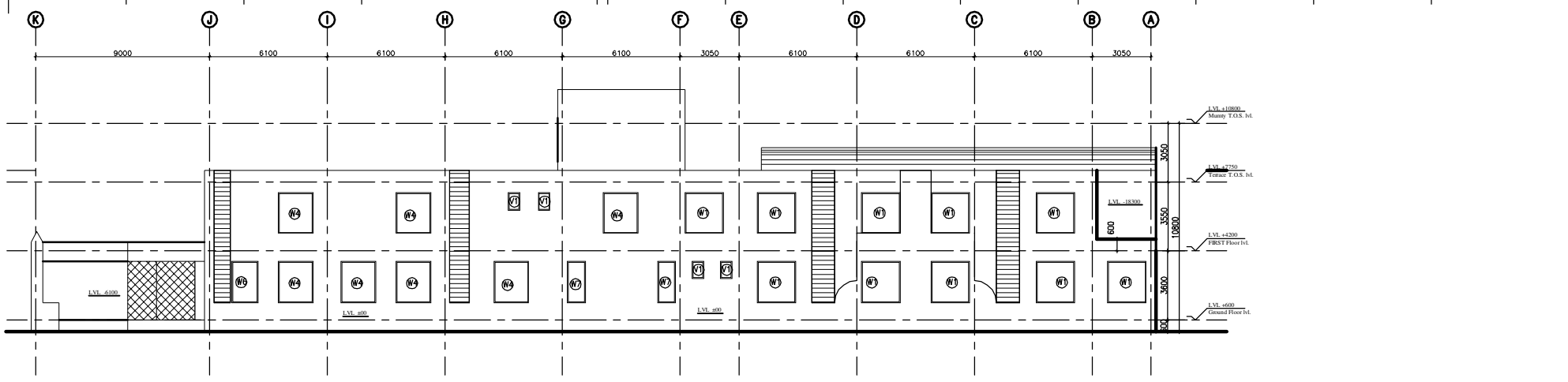
Job No. 1:150 27-05-2013  
 Scale Date

App by Rev. by Prep. by

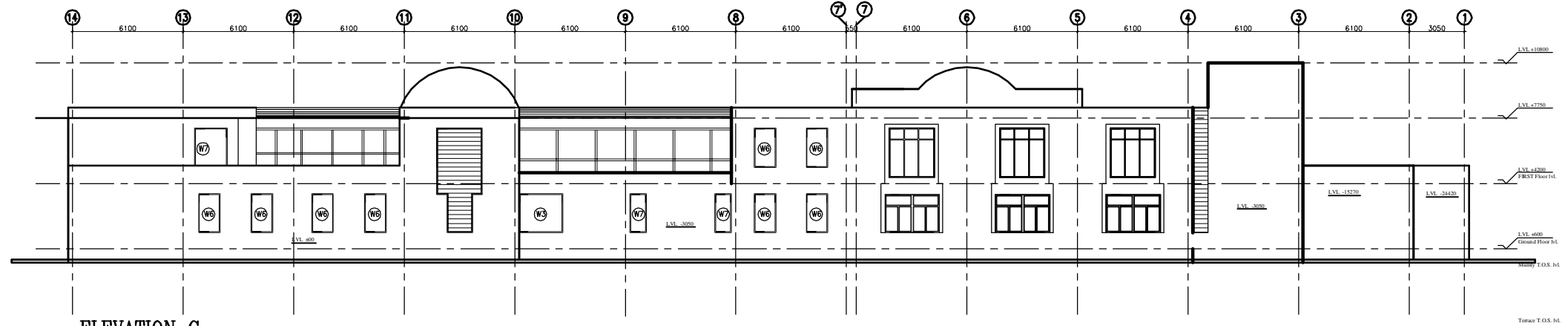
**HSCC (INDIA) LIMITED**  
 (A GOVERNMENT OF INDIA ENTERPRISES)  
**HSCC**  
 NEW DELHI INDIA



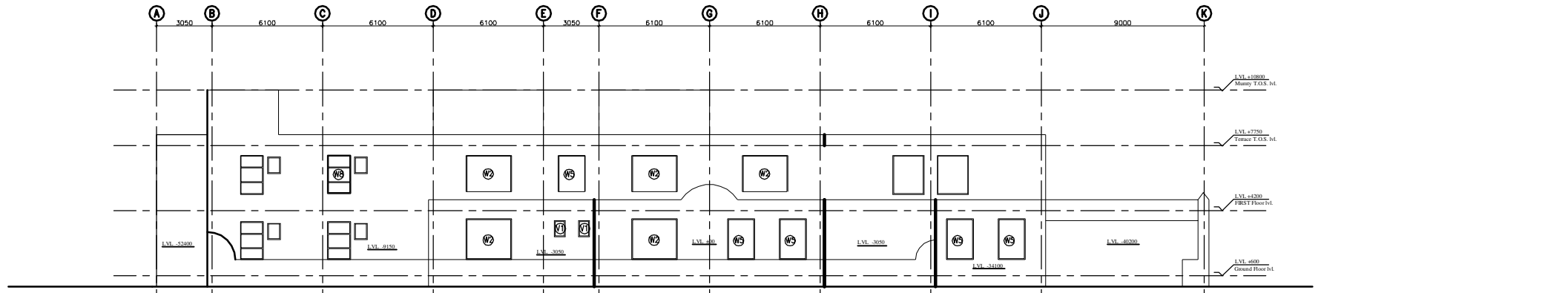
**ELEVATION A**



**ELEVATION B**



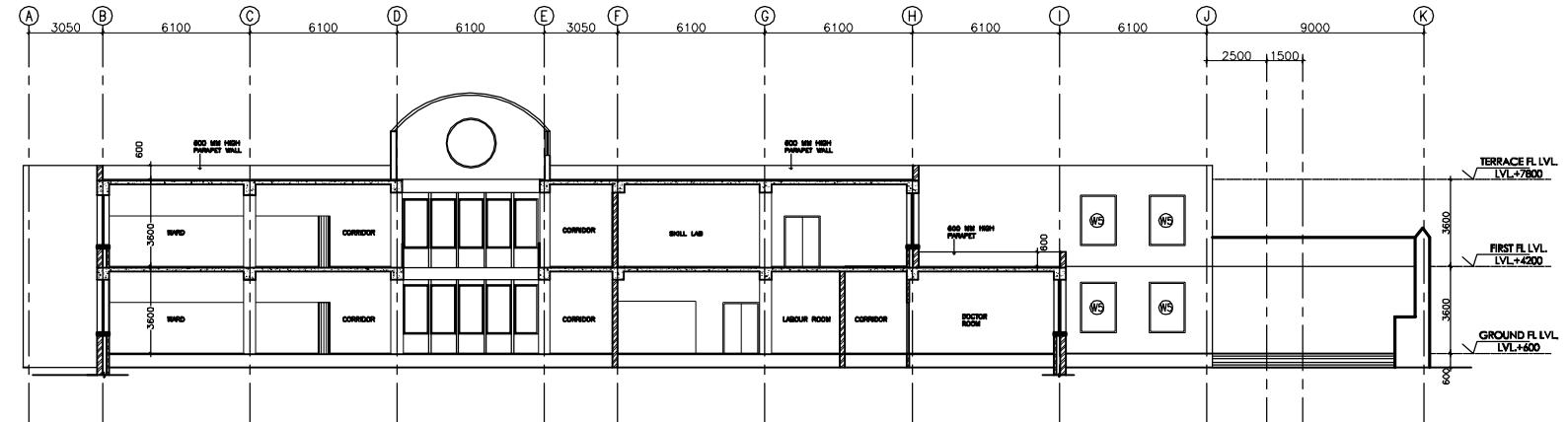
**ELEVATION C**



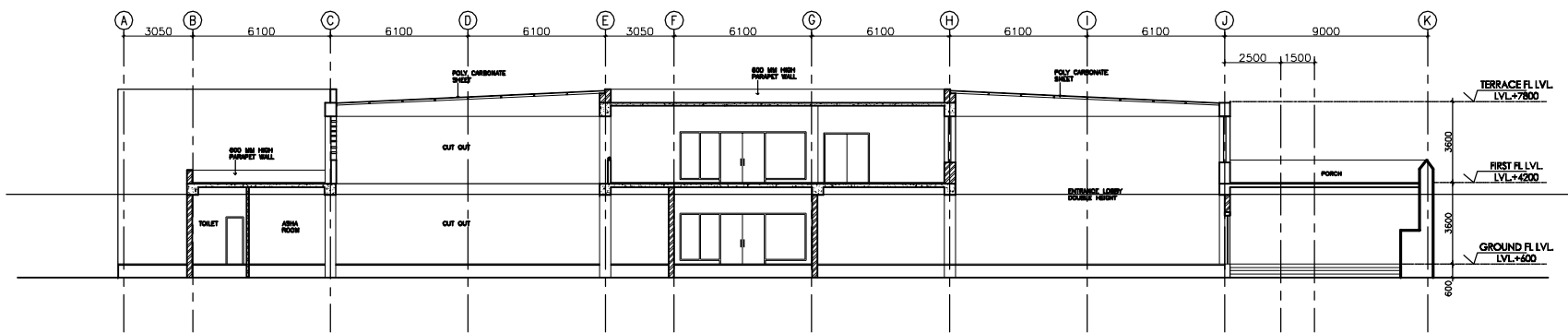
**ELEVATION D**

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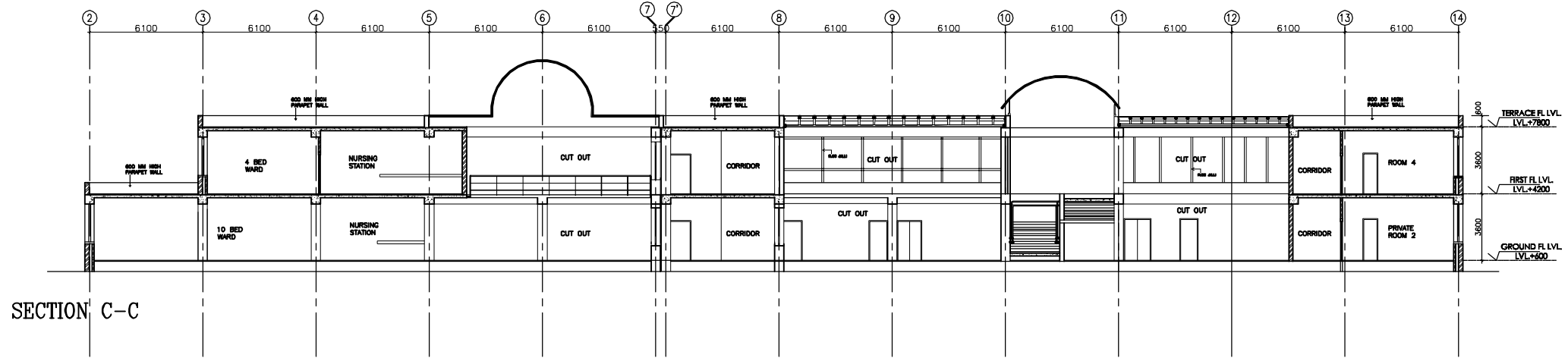
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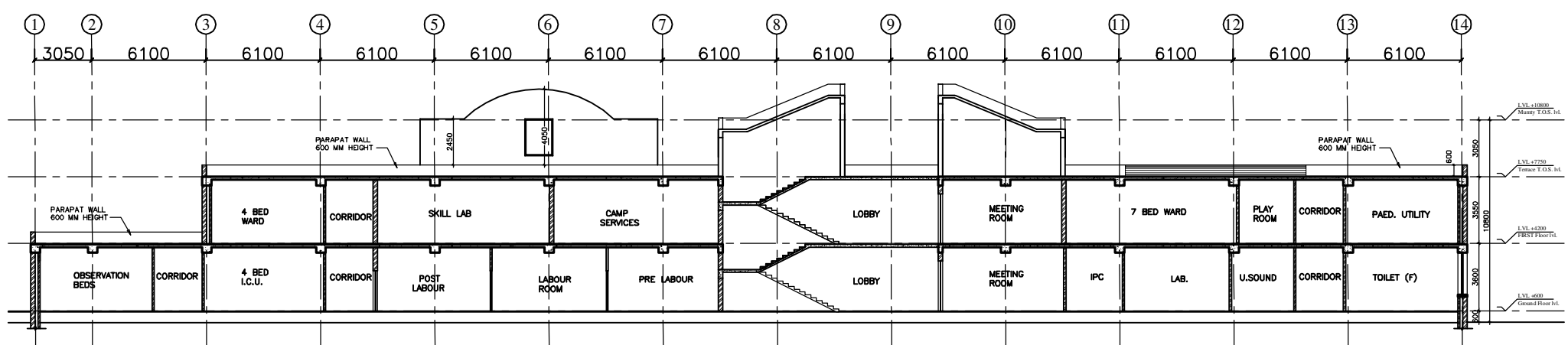
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

REV	DATE	DESCRIPTION
REVISION		

**PROJECT**  
 RMNCH PROJECT  
 Proposed  
 100 Bedded Hospital  
 at  
 SARGUJA, CHATTISGARH

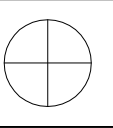
**TITLE**  
 SECTIONS  
 working DRAWINGS  
 (ARCHITECTURE)

HSCC/100 BED/TD/005 Drawing No.	R-0 Rev.
Job No.	1:150 Scale
	27-05-2013 Date
App by	Rev. by
	Prep. by

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**HSCC**  
 NEW DELHI INDIA

# STRUCTURE

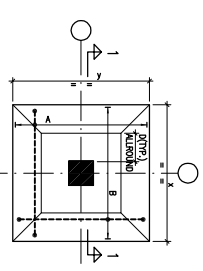




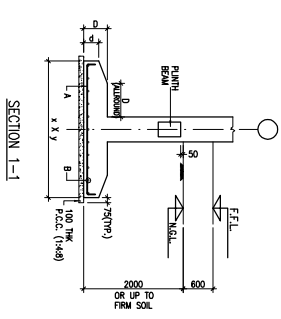
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**NOTES**

1. ALL DIMENSIONS ARE IN mm & LWS IN m.
2. READ IN CONJUNCTION WITH RELEVANT ARCH. DRG.
3. FINISHED FLOOR LVL TO BE CONFIRMED AS/ARCH. DRGS. 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 = 30mm  
SLAB = 25mm
5. CONC. MIX. TO BE M-25 FOR ALL RCC WORK AS PER IS:456-2000
6. ALL R/F BARS TO BE  $\phi$ 6500 Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50xSMALLER BAR  $\phi$ . SITE REQUIREMENT
8. DEVELOPMENT LENGTH = 50xBAR  $\phi$ .
9. SFC ASSUMED 120 kN/m<sup>2</sup> AT 2.0 METER BELOW N.G.L.



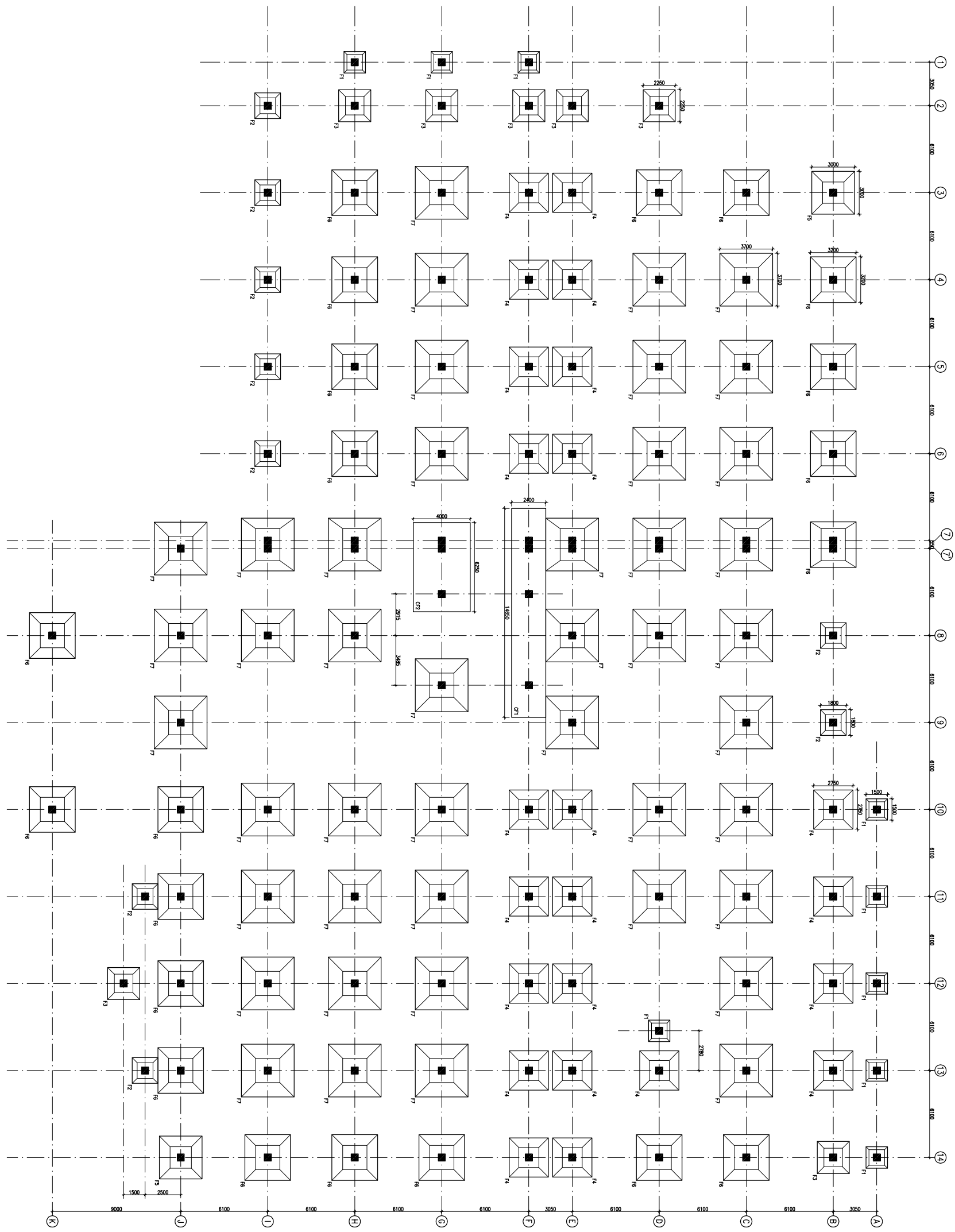
TYPICAL DETAIL OF TAPERED FOOTING



SECTION 1-1

**FOOTING SCHEDULE**

S.No.	GRID	SECT. NO.	(D)	(D)	REMARKS
1	F1	1500x1500	200	300	TAPERED
2	F2	1800x1800	200	300	TAPERED
3	F3	2200x2200	250	400	TAPERED
4	F4	2700x2700	250	400	TAPERED
5	F5	3000x3000	300	500	TAPERED
6	F6	3500x3500	300	500	TAPERED
7	F7	3700x3700	300	600	TAPERED
8	OT1	2400x1450	-	600	CORNER
9	OT2	4000x2500	-	600	CORNER



FOUNDATION LAYOUT PLAN

**FOUNDATION LAYOUT PLAN**

**HSCC/RMNC/DAE/ST-T-1001**

Drawing No. REV. 1  
HSCC/RMNC 1:150 APRIL-2013  
JOB No. SCALE DATE

APPROVED REVIEWED PREPARED

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A GOVERNMENT OF INDIA ENTERPRISE

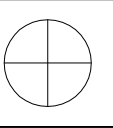
**HSCC**  
INDIA  
NEW DELHI

**PROJECT**

PROPOSED  
100 BEDDED HOSPITAL  
RMNC PROJECT,  
CHATTISGARH

REV	DATE	DESCRIPTION
1	01.04.13	OVERALL REVISION AS PER MCH.
0	27.02.13	FOR TENDER

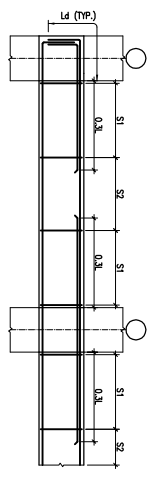
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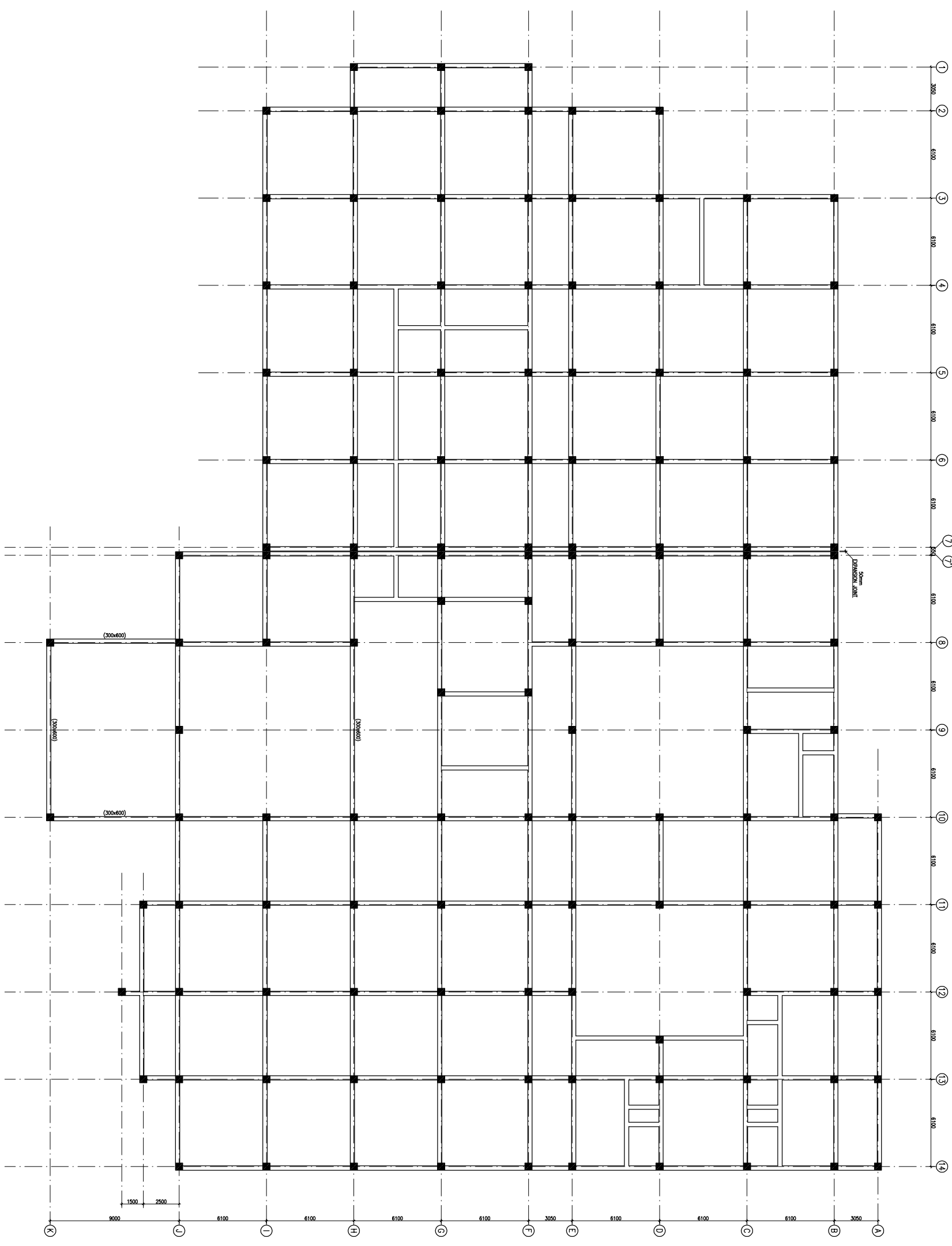
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**NOTES**

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4. CLEAR COVER OF R/F TO BE AS BELOW:-  
FOUNDATION = 50mm  
COLUMN = 40mm  
BEAM = 30mm  
SLAB = 25mm
5. CONC. MIX. TO BE M-25 FOR ALL RCC WORK AS PER IS:456-2000
6. ALL R/F BARS TO BE  $\phi$ 6300 Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50xSMALLER BAR  $\phi$ .  
SITE REQUIREMENT
8. DEVELOPMENT LENGTH = 50xBAR  $\phi$ .



TOP-BEAM R/F DETAILS



PLINTH BEAM FRAMING PLAN  
(ALL DIMEN. SEE DRAWING INDEX)

REVISION	REVISION	DESCRIPTION
1	01.04.13	OVERALL REVISION AS PER ARCH.
0	27.02.13	FOR TENDER

**PROJECT**

PROPOSED  
100 BEDDED HOSPITAL  
RMNCH PROJECT,  
CHATTISGARH

**TITLE**

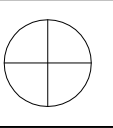
PLINTH BEAM FRAMING PLAN

HSCC/RMNC/D&E/ST-T-1003

Drawing No.	REV. 1
HSCC/RMNC	APRIL-2013
JOB No.	SCALE
	DATE

APPROVED	REVIEWED	PREPARED

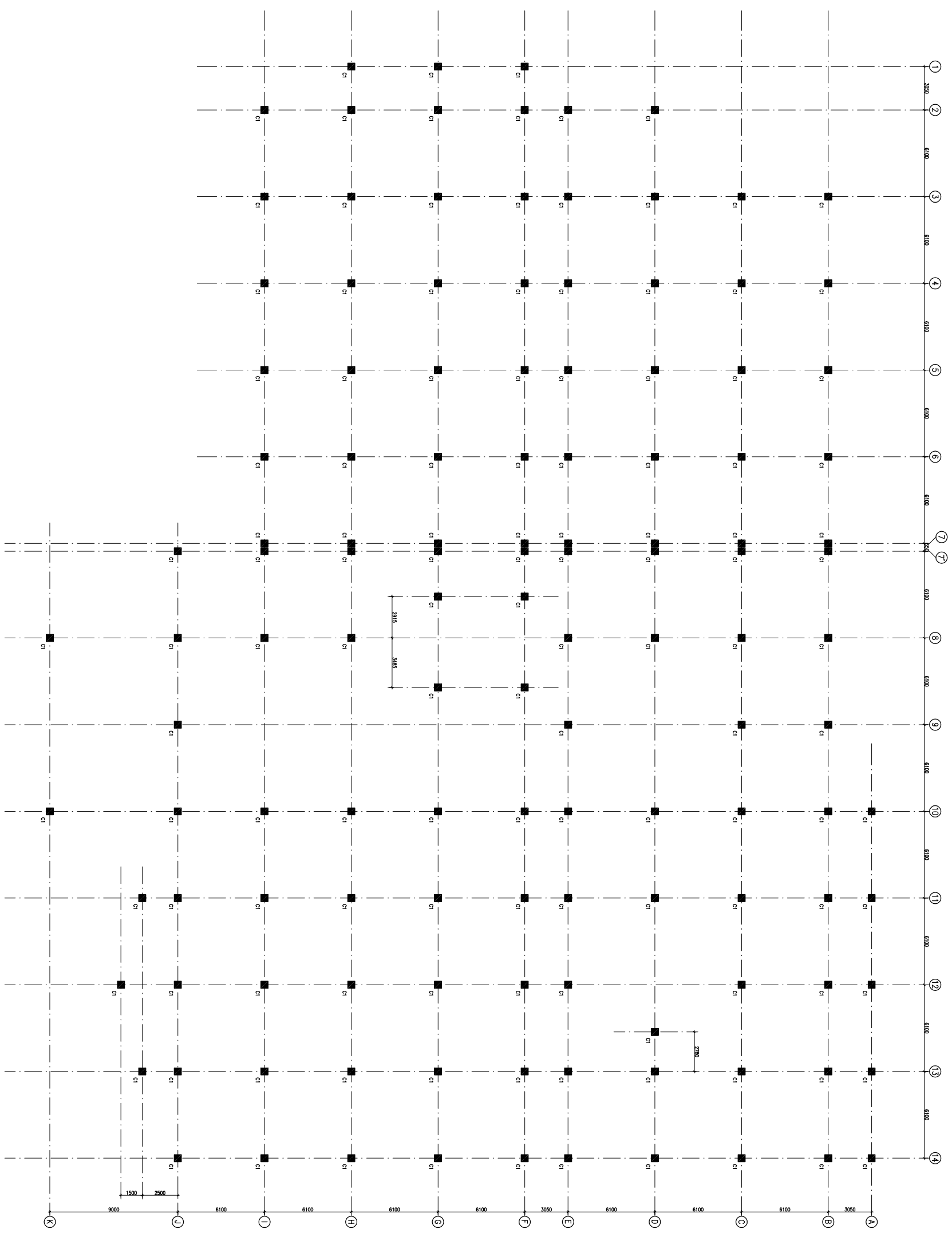
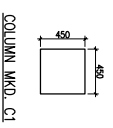
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A GOVERNMENT OF INDIA ENTERPRISE  
**HSCC**  
NEW DELHI INDIA



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**NOTES**

1. ALL DIMENSIONS ARE IN mm & LWS IN m.
2. READ IN CONJUNCTION WITH RELEVANT ARCH. DRG.
3. FINISHED FLOOR LVL TO BE CONFIRMED AS/ARCH. DRGS. 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 = 30mm  
SLAB = 25mm
5. CONC. MIX. TO BE M-25 FOR ALL RCC WORK AS PER IS:456-2000
6. ALL R/F BARS TO BE  $\phi$ 6300 Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50xSMALLER BAR  $\phi$ . ALL LAPS TO BE PLANNED SUITABLY AS PER SITE REQUIREMENT
8. DEVELOPMENT LENGTH = 50xBAR  $\phi$ .



COLUMN LAYOUT PLAN

REV. DATE	DESCRIPTION
1 01.04.13	OVERALL REVISION AS PER ARCH. FOR TENDER
0 27.02.13	

**PROJECT**

PROPOSED  
100 BEDDED HOSPITAL  
RMNCH PROJECT,  
CHATTISGARH

**TITLE**

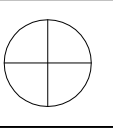
COLUMN LAYOUT PLAN

HSCC/RMNC/D&E/ST-T-1002

Drawing No.	REV. 1
HSCC/RMNC	APRIL-2013
JOB No.	SCALE
	DATE

APPROVED	REVIEWED	PREPARED
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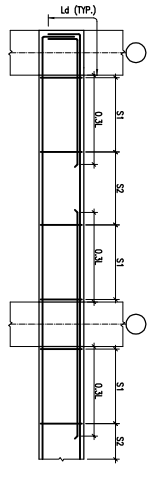
HSCC INDIA LTD.  
A GOVERNMENT OF INDIA ENTERPRISE  
**HSCC**  
NEW DELHI INDIA



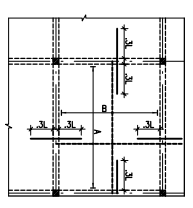
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**NOTES**

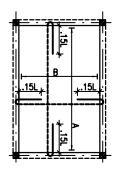
1. ALL DIMENSIONS ARE IN mm & LVLS IN m.
2. READ IN CONJUNCTION WITH RELEVANT ARCH. DRG.
3. FINISHED FLOOR LVL TO BE CONFIRMED AS/ARCH. DRGS. THE SLAB TOP LEVEL TO BE WORKED OUT SUABLY CONSIDERING FLOOR FINISH THICKNESS.
4. CLEAR COVER OF R/F TO BE AS BELOW:-  
FOUNDATION = 50mm  
COLUMN = 40mm  
BEAM = 30mm  
SLAB = 25mm
5. CONC. MIX. TO BE M-25 FOR ALL RCC WORK AS PER IS:456-2000
6. ALL R/F BARS TO BE  $F_{6500}$  Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50xSMALLER BAR  $\phi$ . SITE REQUIREMENT
8. DEVELOPMENT LENGTH = 50xBAR  $\phi$ .



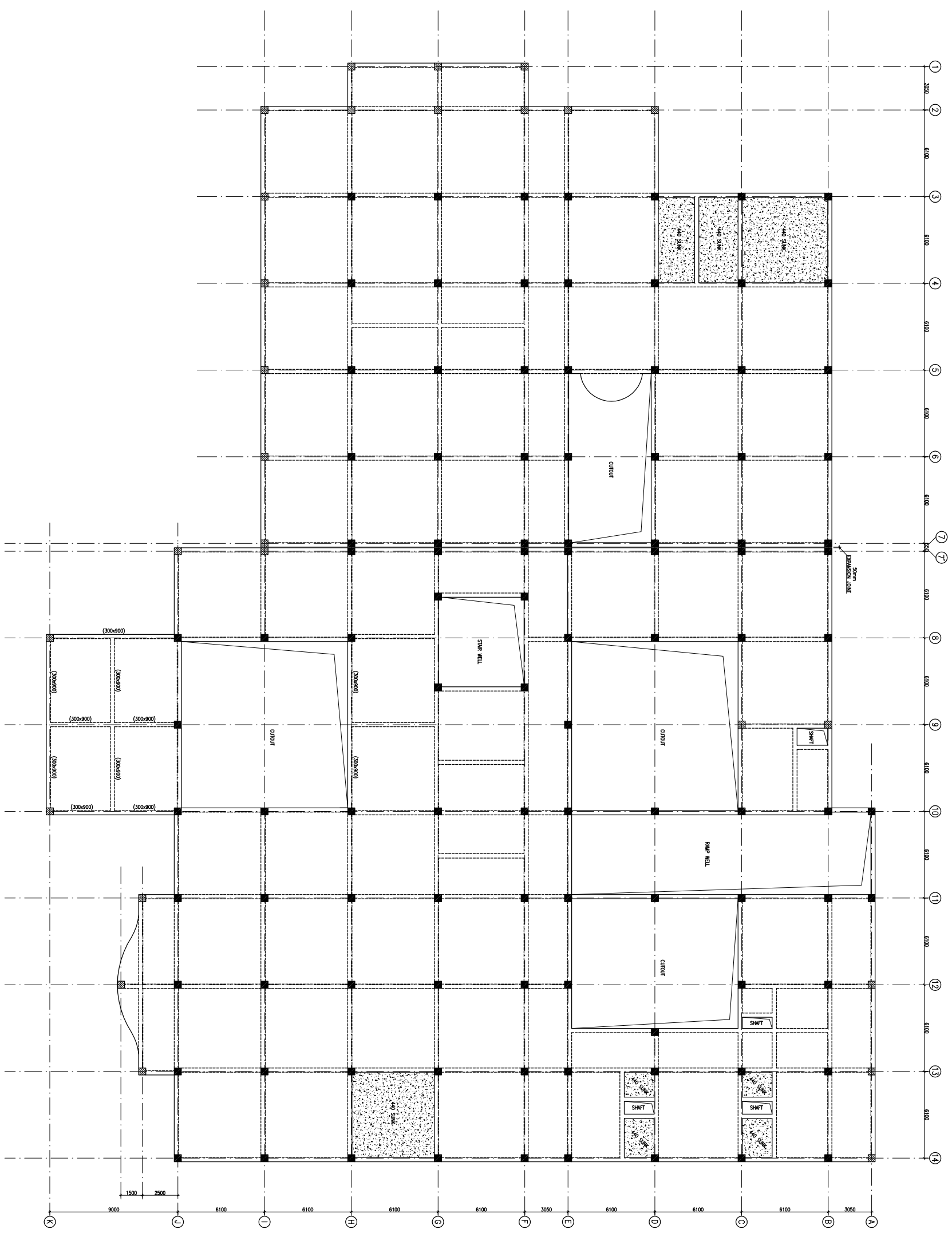
TYP. BEAM R/F DETAILS



TYP. SLAB R/F DETAIL



TYP. SUNKEN SLAB R/F DETAIL



FIRST FLOOR BEAM FRAMING PLAN  
(ALL DIMENSIONS IN mm UNLESS OTHERWISE SPECIFIED)

REV	DATE	DESCRIPTION
1	01.04.13	OVERALL REVISION AS PER ARCH. FOR TENDER
0	27.02.13	

**REVISION**

**PROJECT**  
PROPOSED  
100 BEDDED HOSPITAL  
RMNCH PROJECT,  
CHATTISGARH

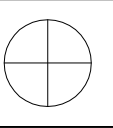
**TITLE**

FIRST FLOOR BEAM FRAMING PLAN  
HSCC/RMNC/DAE/ST-T-1004

Drawing No.	REV. 1
HSCC/RMNC	APRIL-2013
SCALE	DATE
JOB No.	

APPROVED	REVIEWED	PREPARED
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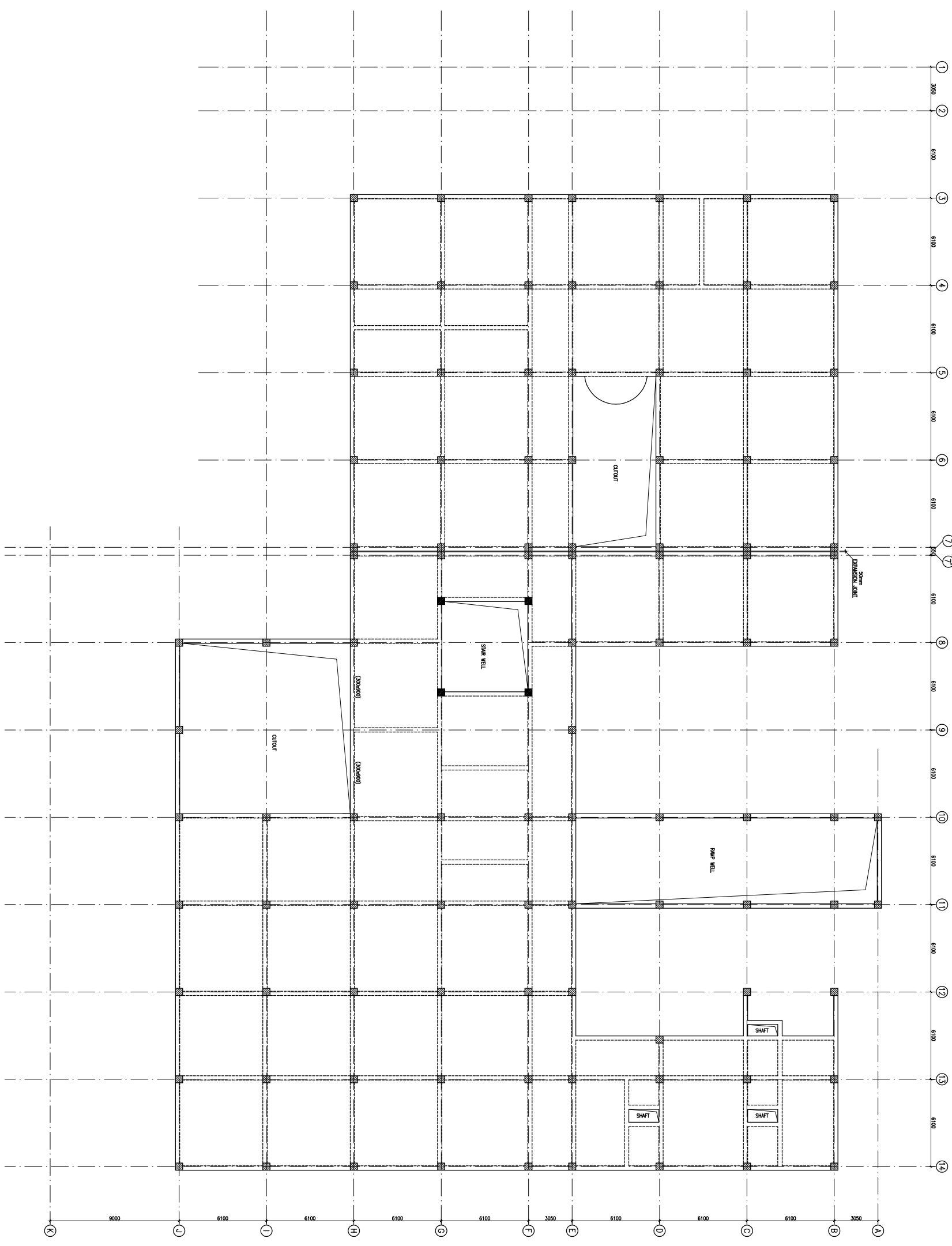
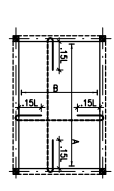
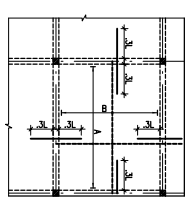
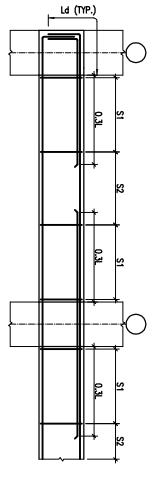
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A GOVERNMENT OF INDIA ENTERPRISE  
**HSCC**  
NEW DELHI INDIA



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**NOTES**

1. ALL DIMENSIONS ARE IN mm & LWS IN m.
2. READ IN CONJUNCTION WITH RELEVANT ARCH. DRG.
3. FINISHED FLOOR LVL TO BE CONFIRMED AS/ARCH. DRGS. THE SLAB TOP LEVEL TO BE WORKED OUT SUABLY CONSIDERING FLOOR FINISH THICKNESS.
4. CLEAR COVER OF R/F TO BE AS BELOW:-  
FOUNDATION = 50mm  
COLUMN = 40mm  
BEAM = 30mm  
SLAB = 25mm
5. CONC. MIX. TO BE M-25 FOR ALL RCC WORK AS PER IS:456-2000
6. ALL R/F BARS TO BE  $F_{450}$  Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50xSMALLER BAR  $\phi$ . SITE REQUIREMENT
8. DEVELOPMENT LENGTH = 50xBAR  $\phi$ .



TERRACE LVL. BEAM FRAMING PLAN  
(ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED)

REV. NO.	DATE	DESCRIPTION
1	01.04.13	OVERALL REVISION AS PER ARCH. FOR TENDER
0	27.02.13	

**REVISION**

**PROJECT**  
PROPOSED  
100 BEDDED HOSPITAL  
RMNCH PROJECT,  
CHATTISGARH

**TITLE**

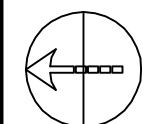
TERRACE LVL. BEAM FRAMING PLAN  
HSCC/RMNC/DAE/ST-T-1005

Drawing No.	REV. 1
HSCC/RMNC	APRIL-2013
JOB No.	SCALE
	DATE

APPROVED	REVIEWED	PREPARED
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**HSCC**  
NEW DELHI INDIA

**PHE**



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- NOTES**
- DRAWINGS TO BE READ NOT MEASURED
  - PARTITION WALL IN TOILETS UP TO LINTEL HEIGHT

**LEGEND:**

1	100 Ø CI SOIL & VENT PIPE
2	100Ø CL.WASTE & VENT PIPE
3	100Ø CI. SOIL PIPE
4	100Ø CI. WASTE PIPE
5	50Ø GI/CPVC SOIL PIPE
6	40Ø GI/CPVC WASTE PIPE for lab, Urinal
7	32Ø GI/CPVC WASTE PIPE For W.B.
8	Ø CPVC UTW DN.TAKE
9	Ø CPVC TW DN.TAKE
10	100 Ø S.W. PIPE
11	100 Ø R.W. PIPE
12	100 Ø HDPE/LAB WASTE PIPE
13	50 Ø HDPE/LAB WASTE PIPE
F.T	FLOOR TRAP 100x100
F.D	FLOOR DRAIN 50Ø
FCO	FLOOR CLEAN OUT
COP	CLEAN OUT PLUG
⊗	VALVE
MH	MANHOLE (900x600)mm
GT	GULLY TRAP(300x300)mm

NO.	DESCRIPTION

**PROJECT**

PROPOSED  
100 BEDDED HOSPITAL

**RMNCH PROJECT,  
CHATTISGARH**

**TITLE PLUMBING**

**TENDER DRAWING**

**GROUND FLOOR PLAN**

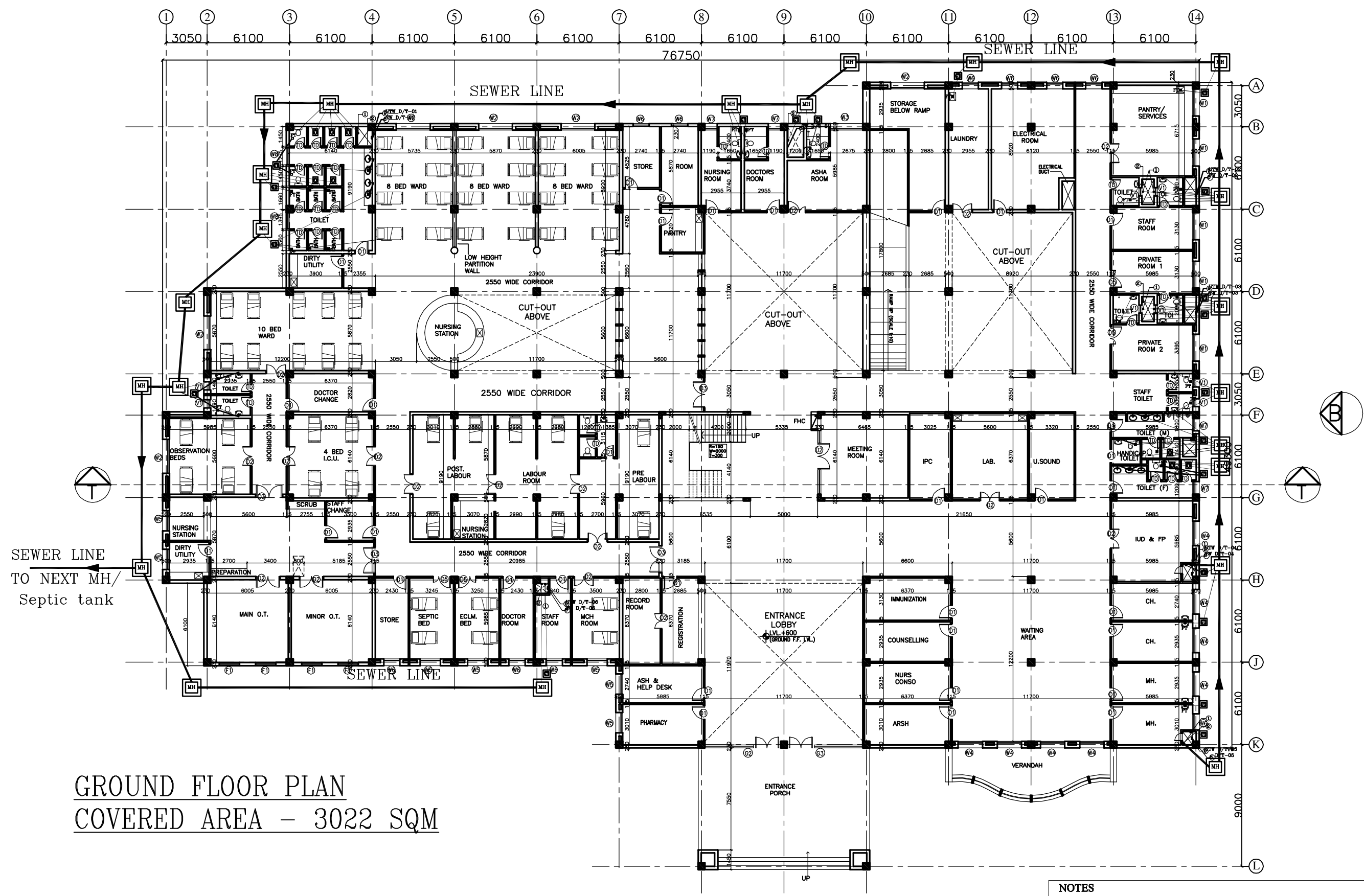
HSCC/D&E/TD/RMNCH/PL-01  
Drawing No. Rev.

Job No.	1:300 Scale	05-04-2013 Date
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R.TYAGI App by	R.SUR Rev. by	S.BHATT Prep. by
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HSCC (INDIA) LIMITED  
(A GOVERNMENT OF INDIA ENTERPRISES)

**HSCC**  
NEW DELHI INDIA



**GROUND FLOOR PLAN**  
**COVERED AREA - 3022 SQM**

- NOTES**
- BASED ON THIS DRAWING EXECUTING AGENCY WILL PREPARE SHOP DRAWING AFTER INCORPORATING THE CHANGES AS PER SITE CONDITION FOR THE APPROVAL OF HSCC BEFORE START OF WORK.
  - THE NUMBER & LOCATION OF FIXTURES & WET POINT TO BE FINALIZED BEFORE EXECUTION WITH CLINT OFFICER,S INCHARGE..