

**CHHATTISGARH MEDICAL SERVICES CORPORATION
LIMITED**

(Government of Chhattisgarh)

Tender

For

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

Tender Drawings

VOLUME-VI

February' 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 (IV) /02

ARCHITECTURE
DRAWINGS

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		

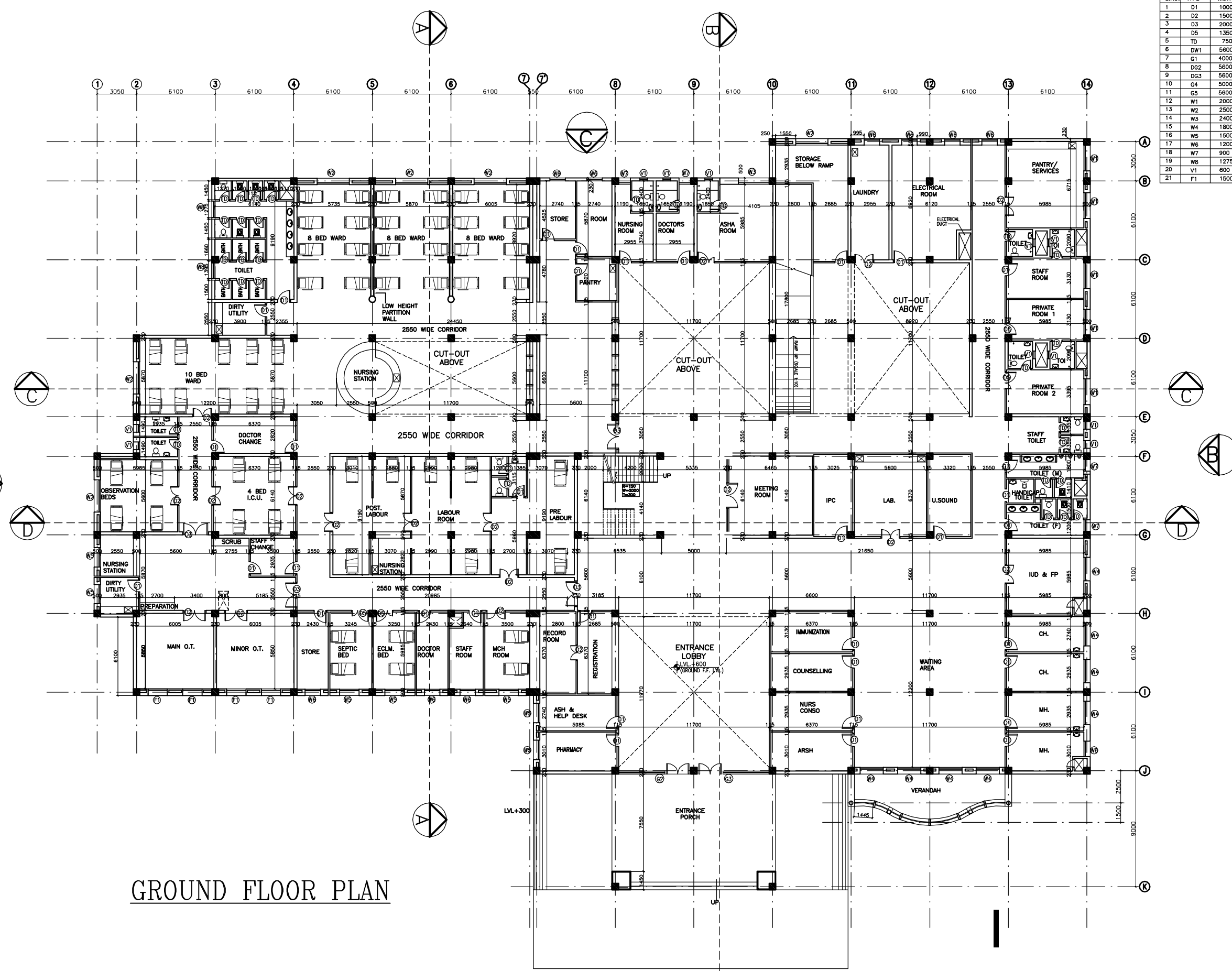
PROJECT
 RMNCH PROJECT
 Proposed
 100 Bedded Hospital
 at
 CHATTISGARH

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

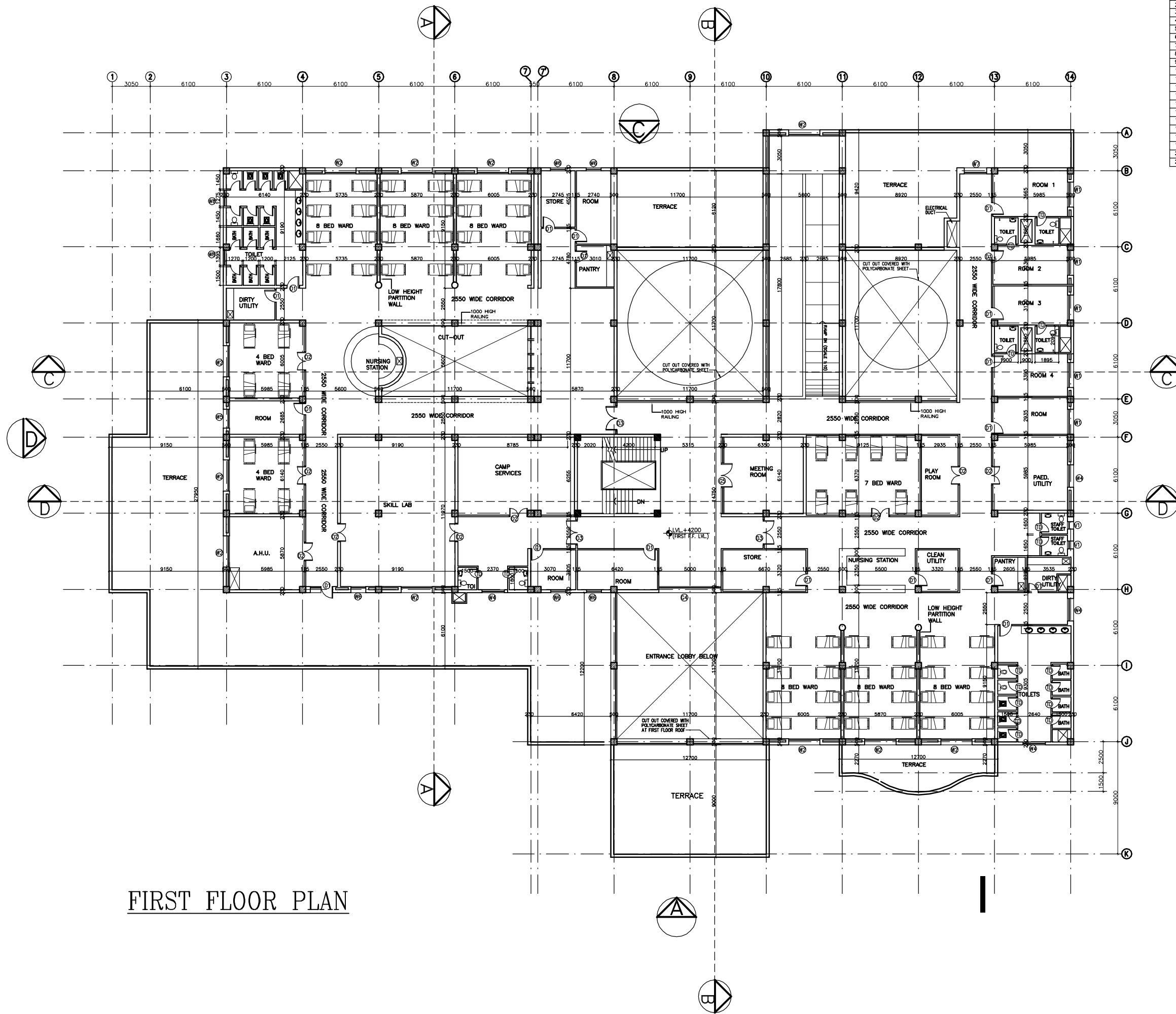
HSCC/100 BED/TD/002 R-0
 Drawing No. Rev.

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

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NOTES

REV	DATE	DESCRIPTION

PROJECT
RMNCH PROJECT
 Proposed
 100 Bedded Hospital
 at
 CHATTISGARH

TITLE
 TERRACE
 FLOOR PLAN

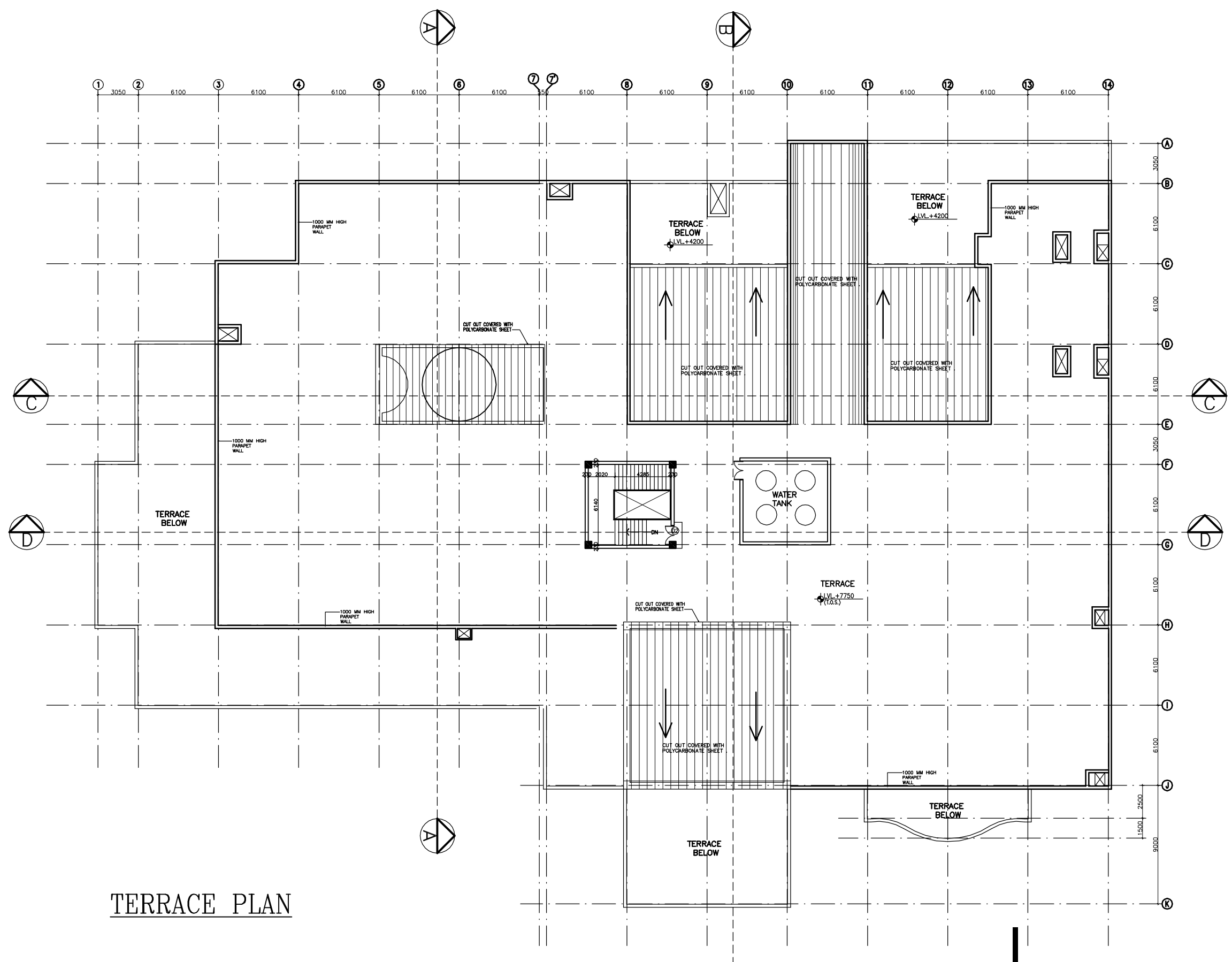
working DRAWINGS
 (ARCHITECTURE)

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

HSCC (INDIA) LIMITED
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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.

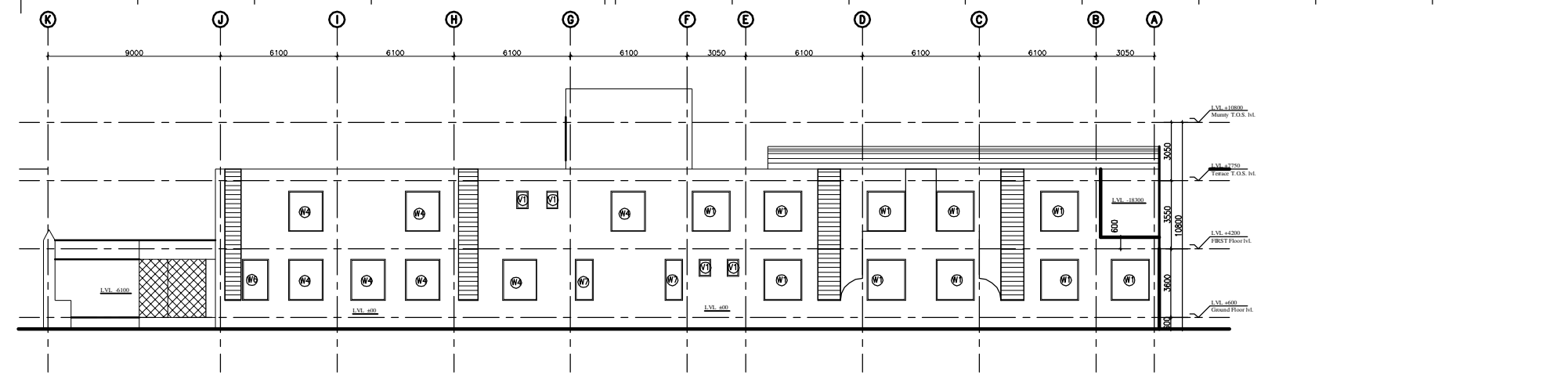
Job No. 1:150 27-05-2013
 Scale Date

App by Rev. by Prep. by

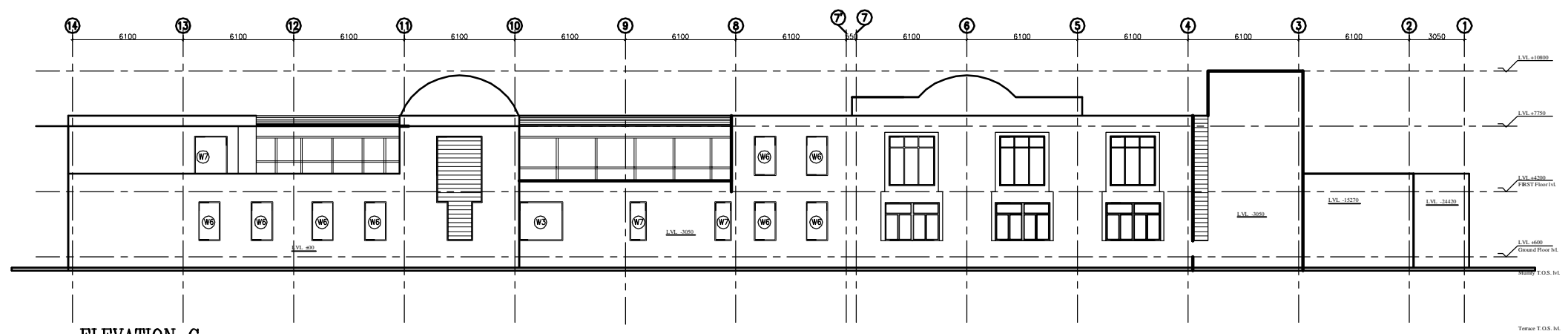
HSCC (INDIA) LIMITED
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HSCC
 NEW DELHI INDIA



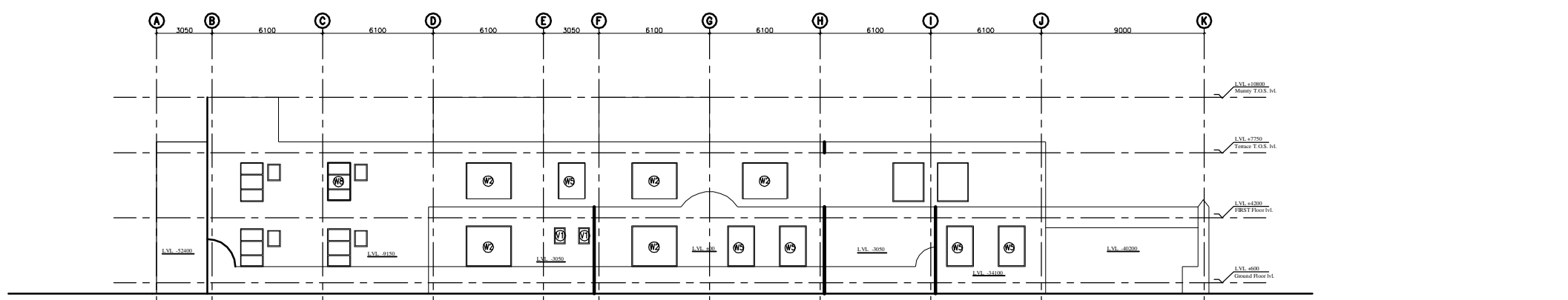
ELEVATION A



ELEVATION B



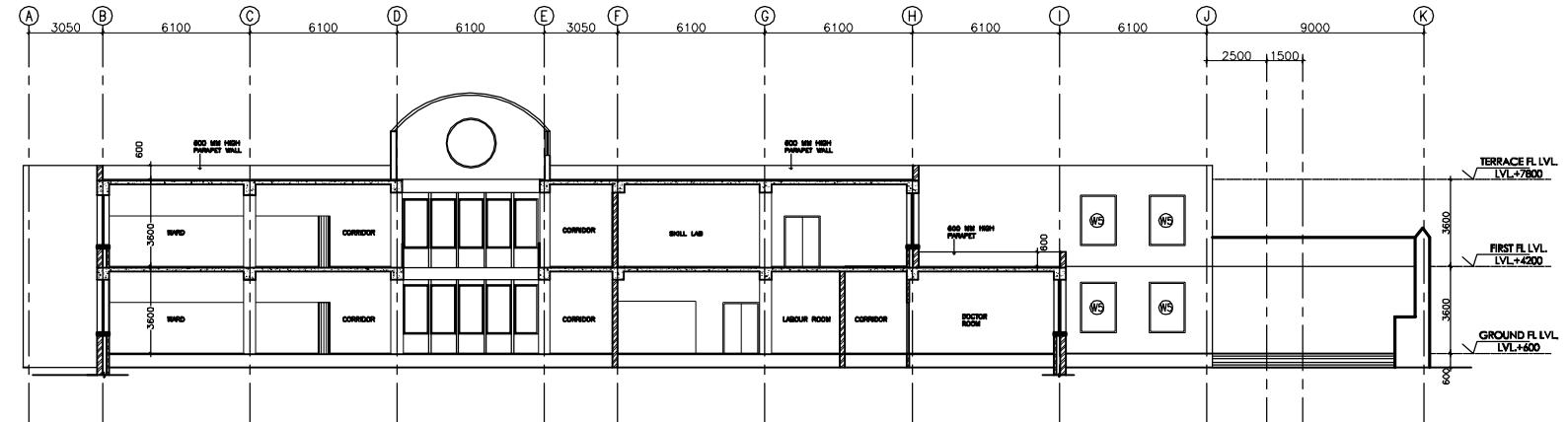
ELEVATION C



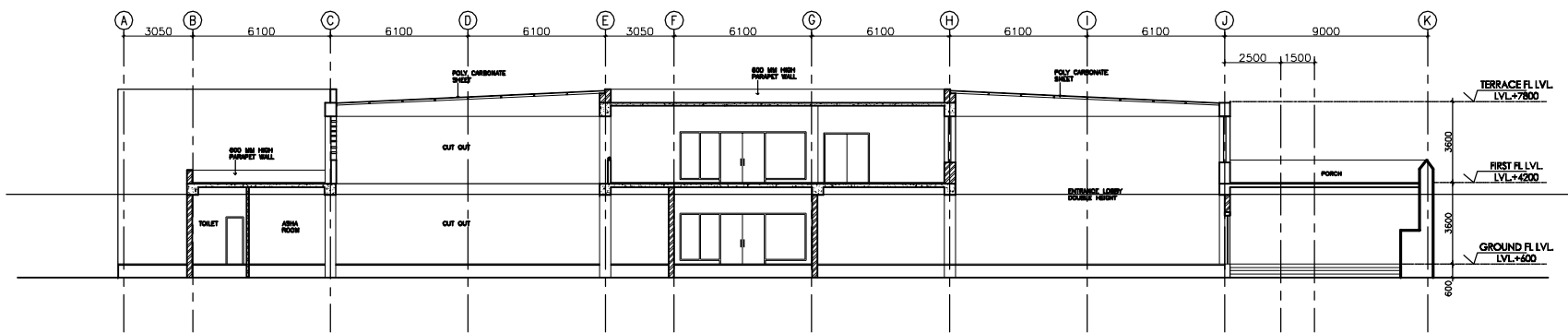
ELEVATION D

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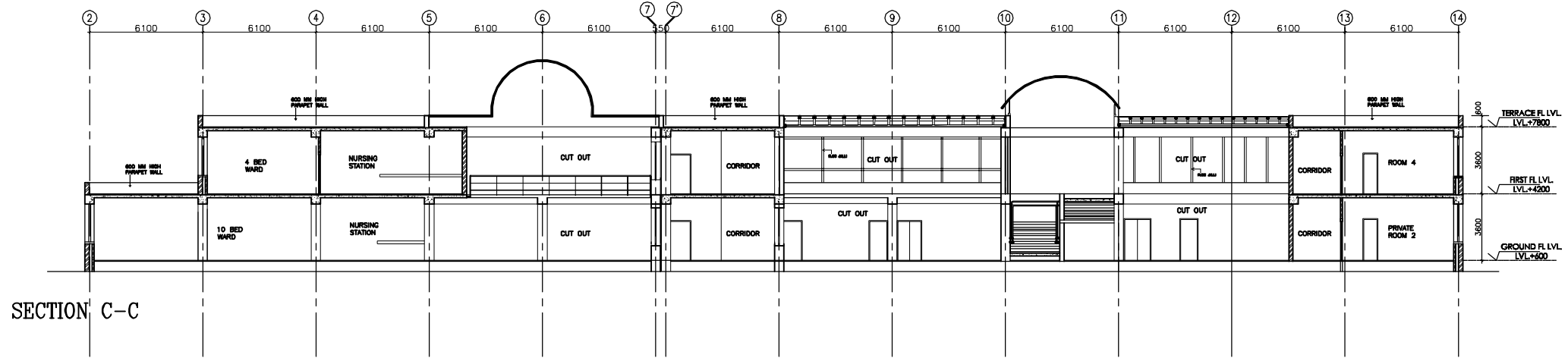
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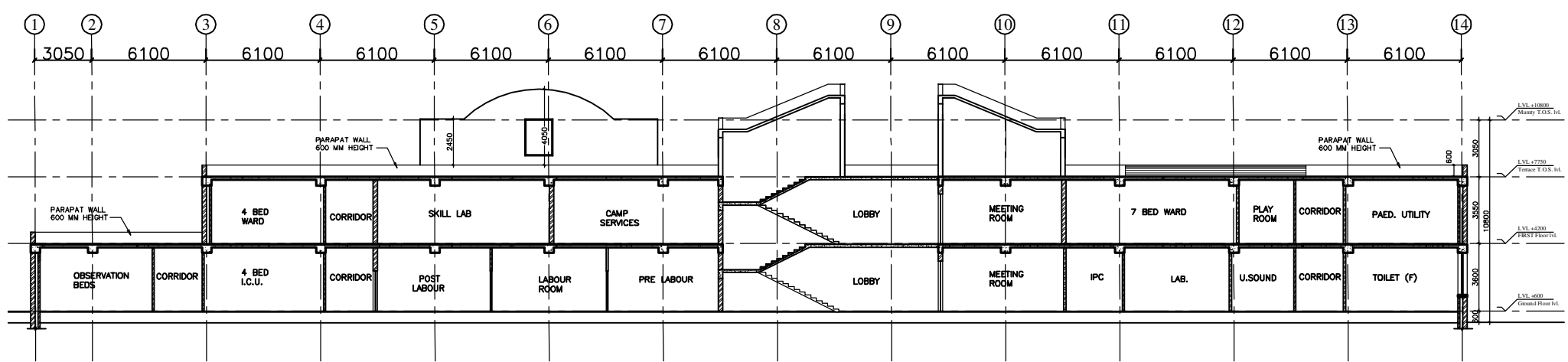
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

REV	DATE	DESCRIPTION
REVISION		

PROJECT
 RMNCH PROJECT
 Proposed
 100 Bedded Hospital
 at
 SARGUJA, CHATTISGARH

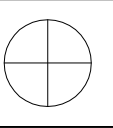
TITLE
 SECTIONS
 working DRAWINGS
 (ARCHITECTURE)

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

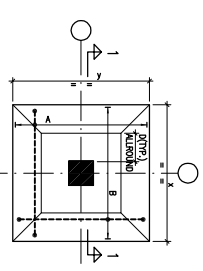
DRAWINGS



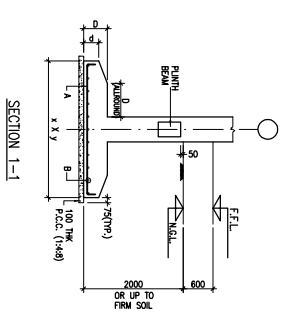
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NOTES

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 ϕ 6500 Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50xSMALLER BAR ϕ . SITE REQUIREMENT
8. DEVELOPMENT LENGTH = 50xBAR ϕ .
9. SFC ASSUMED 120 kN/m² AT 2.0 METER BELOW N.G.L.



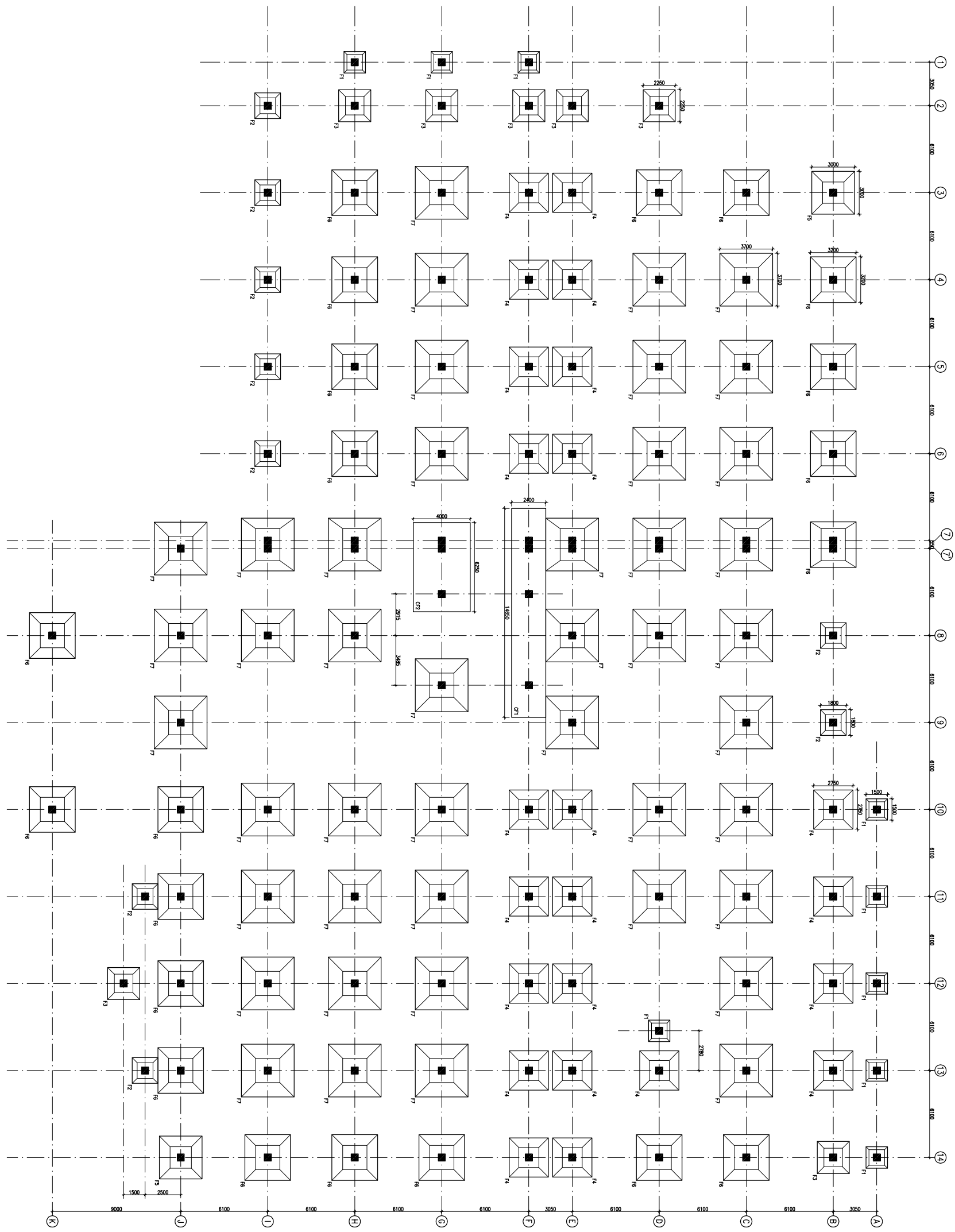
TYPICAL DETAIL OF TAPERED FOOTING



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

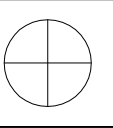
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A GOVERNMENT OF INDIA ENTERPRISE

HSCC
INDIA
NEW DELHI

PROJECT
PROPOSED
100 BEDDED HOSPITAL
RMNC PROJECT,
CHATTISGARH

TITLE

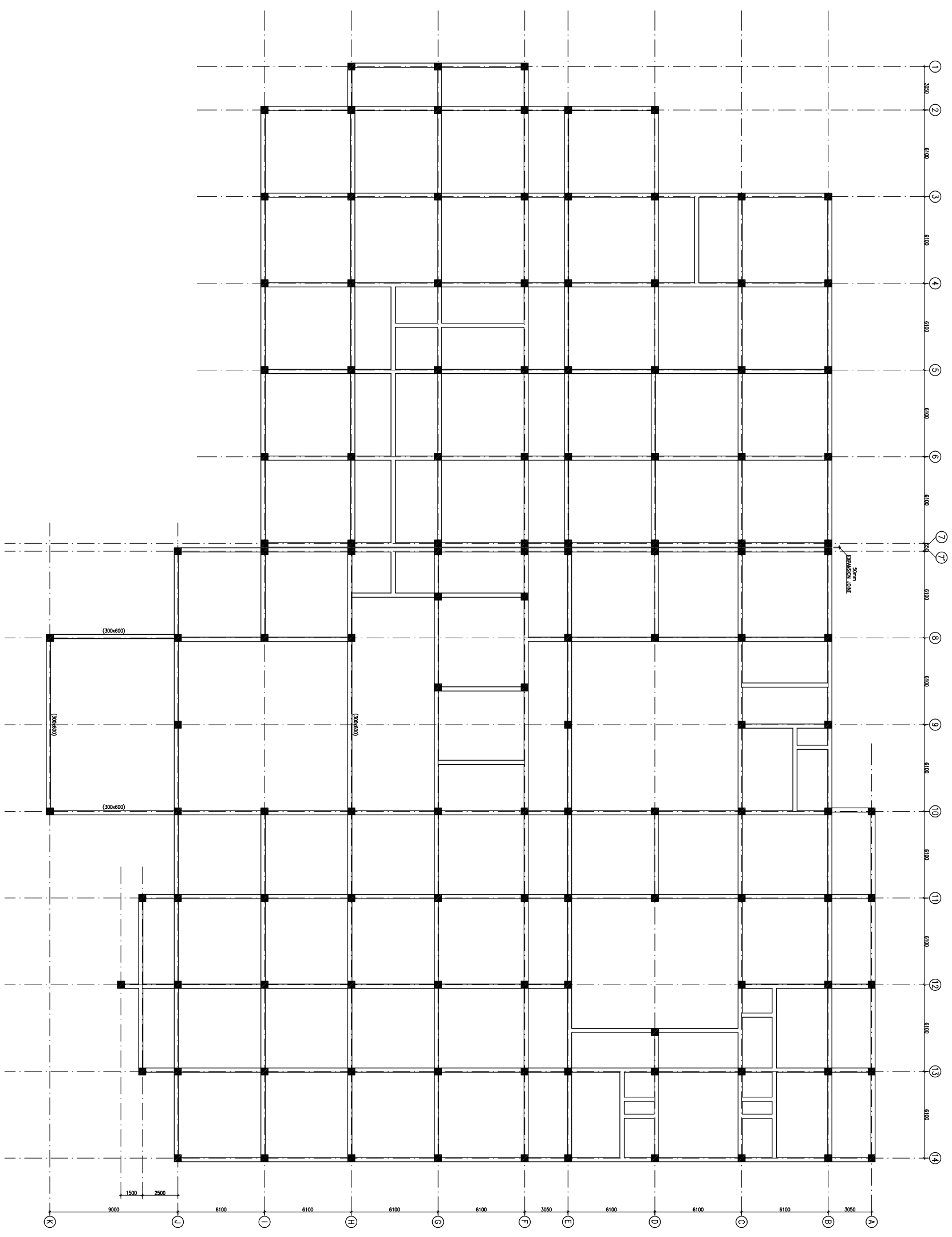
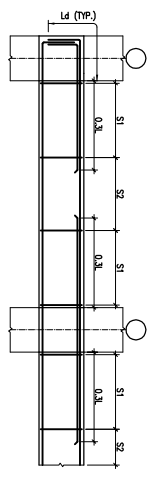
REV. DATE	DESCRIPTION
1 01.04.13	OVERALL REVISION AS PER MCH.
0 27.02.13	FOR TENDER



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NOTES

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2. READ IN CONJUNCTION WITH RELEVANT ARCH. DRG.
3. FINISHED FLOOR LVL TO BE CONFIRMED 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 = 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 ϕ 6300 Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50xSMALLER BAR ϕ .
SITE REQUIREMENT
8. DEVELOPMENT LENGTH = 50xBAR ϕ .



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

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

PROJECT

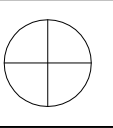
PROPOSED
100 BEDDED HOSPITAL
RMNCH PROJECT,
CHATTISGARH

TITLE

PLINTH BEAM FRAMING PLAN
HSCC/RMNC/DAE/ST-T-1003

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

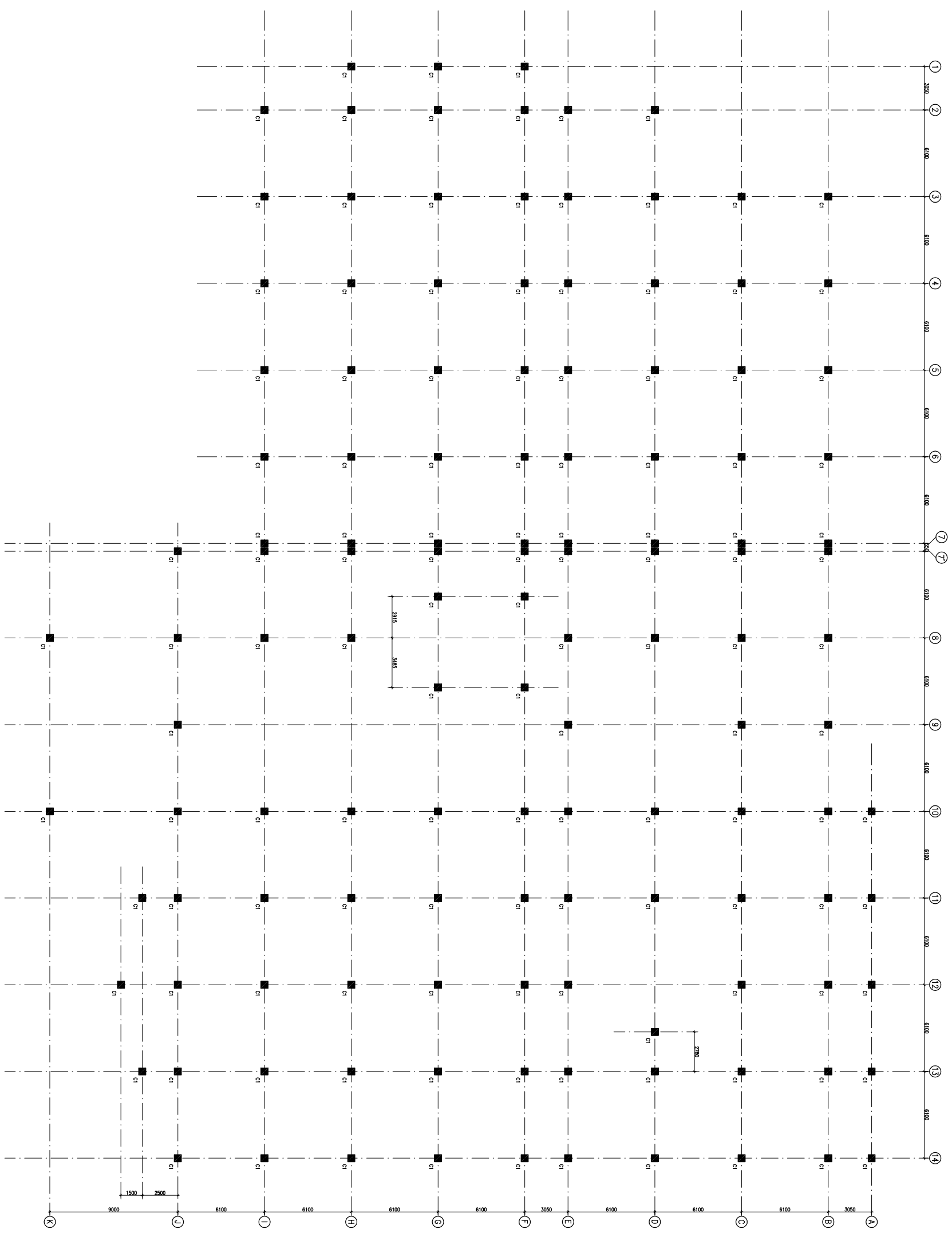
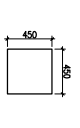
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4. CLEAR COVER OF R/F TO BE AS BELOW:-
 FOUNDATION = 50mm
 COLUMN = 40mm
 BEAM = 30mm
 SLAB = 25mm
5. CONC. MIX. TO BE M-25 FOR ALL RCC WORK AS PER IS:456-2000
6. ALL R/F BARS TO BE ϕ 6300 Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS =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



COLUMN LAYOUT PLAN

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

PROJECT

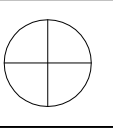
PROPOSED
100 BEDDED HOSPITAL
RMNCH PROJECT,
CHATTISGARH

TITLE

COLUMN LAYOUT PLAN

HSCC/RMNC/DAE/ST-T-1002	
Drawing No.	REV. 1
HSCC/RMNC	APRIL-2013
JOB No.	SCALE
	DATE
APPROVED	REVIEWED
	PREPARED

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NOTES

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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 ϕ 6300 Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50xSMALLER BAR ϕ . SITE REQUIREMENT
8. DEVELOPMENT LENGTH = 50xBAR ϕ .

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

REVISION

PROJECT

PROPOSED
100 BEDDED HOSPITAL
RMNCH PROJECT,
CHATTISGARH

TITLE

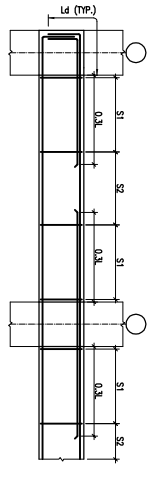
FIRST FLOOR BEAM FRAMING PLAN
HSCC/RMNC/H/D&E/ST-T-1004

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

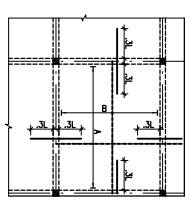
APPROVED	REVIEWED	PREPARED
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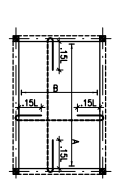
HSCC
INDIA
NEW DELHI



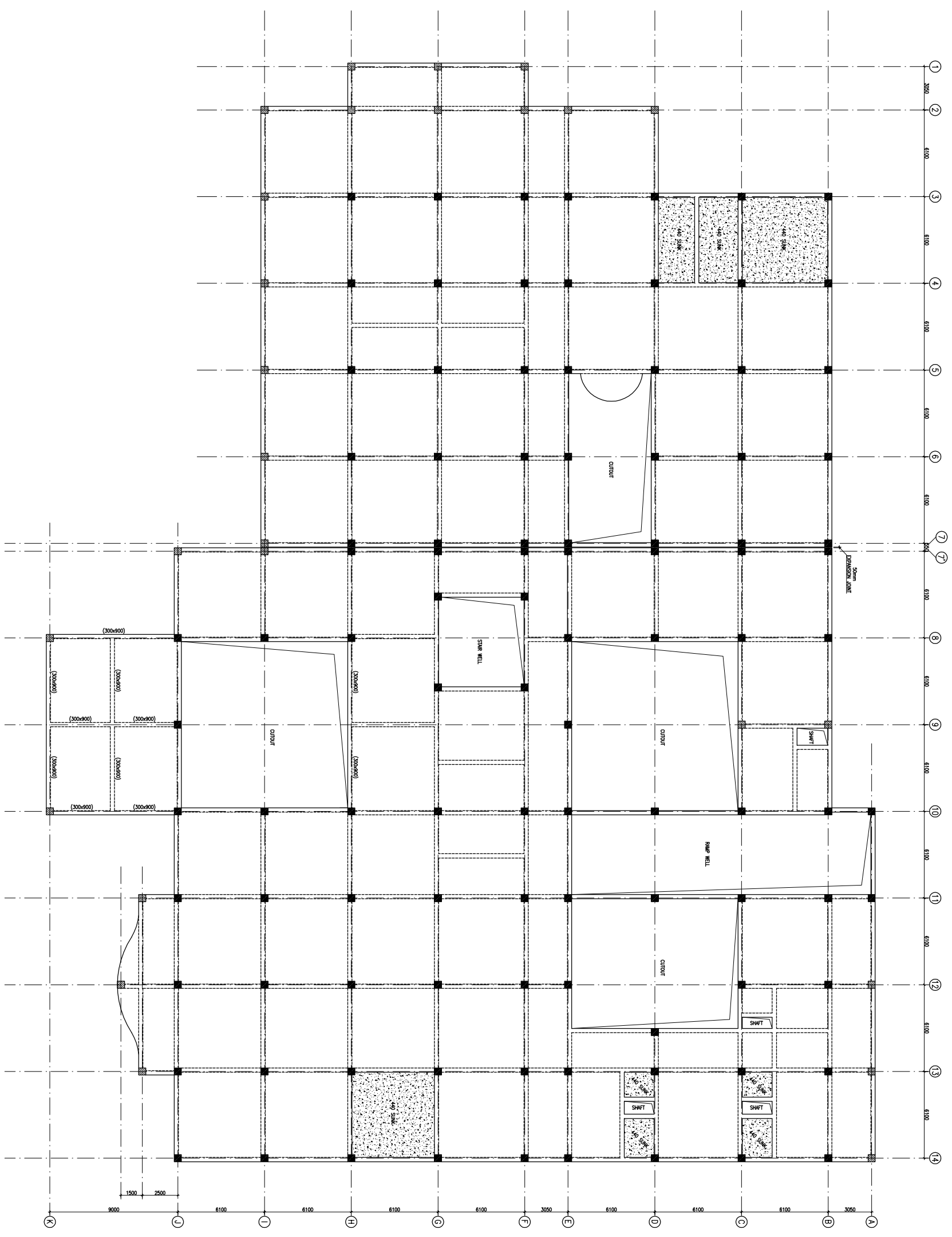
TYP. BEAM R/F DETAILS



TYP. SLAB R/F DETAIL



TYP. SUNKEN SLAB R/F DETAIL

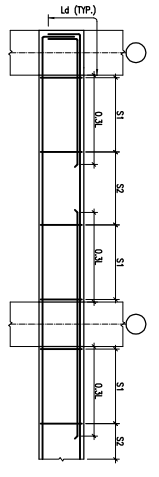


FIRST FLOOR BEAM FRAMING PLAN
(ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED)

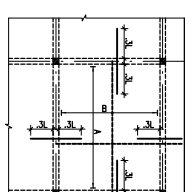
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NOTES

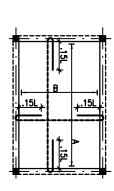
1. ALL DIMENSIONS ARE IN mm & LWS IN m.
2. READ IN CONJUNCTION WITH RELEVANT ARCH. DRG.
3. FINISHED FLOOR LVL TO BE CONFIRMED AS/ARCH. DRG. THE SLAB TOP LEVEL TO BE WORKED OUT SUABLY CONSIDERING FLOOR FINISH THICKNESS.
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BEAM = 30mm
SLAB = 25mm
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6. ALL R/F BARS TO BE ϕ 6300 Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50xSMALLER BAR ϕ .
SITE REQUIREMENT
8. DEVELOPMENT LENGTH = 50xBAR ϕ .



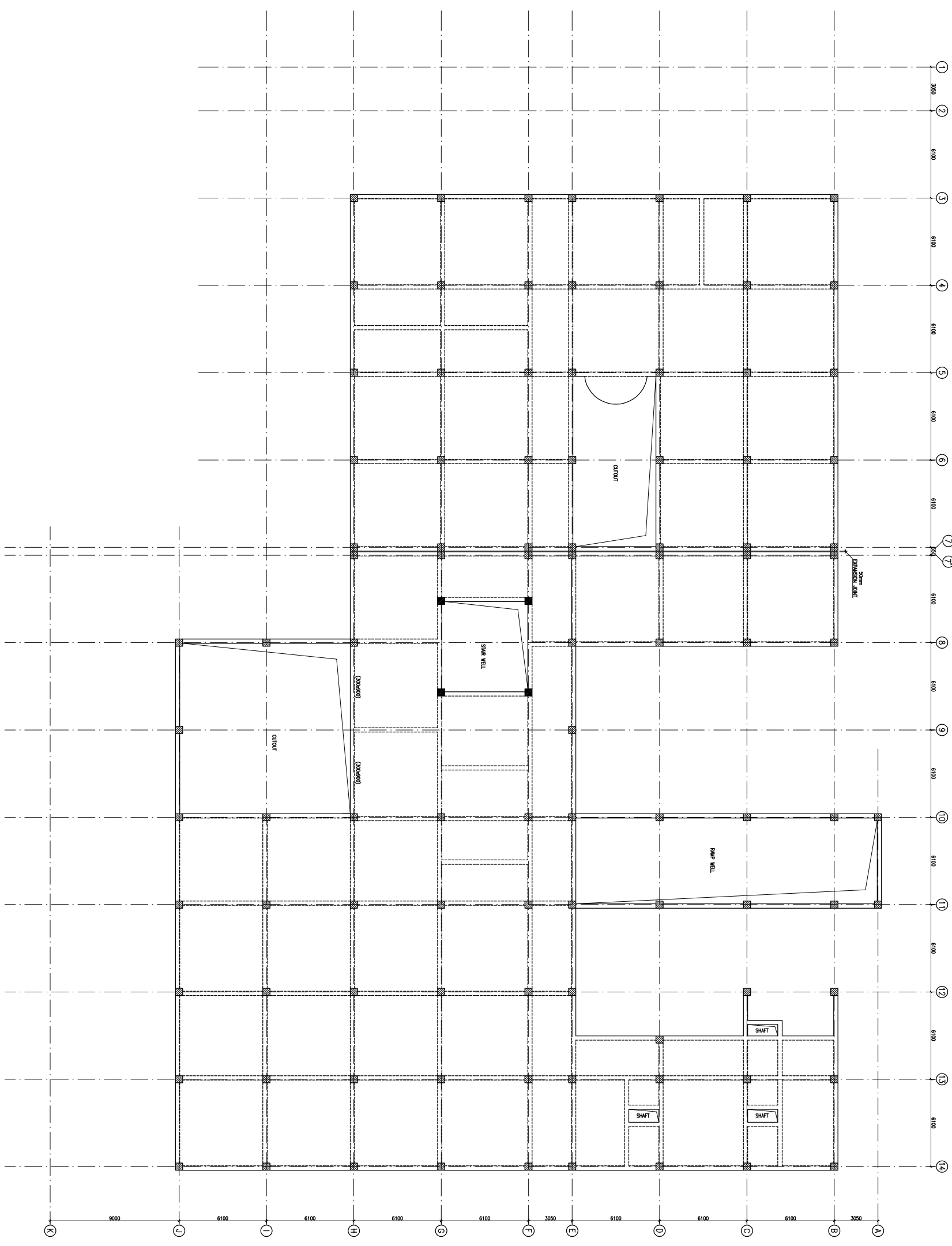
TYP. BEAM R/F DETAILS



TYP. SLAB R/F DETAIL



TYP. SUNKEN SLAB R/F DETAIL



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

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

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 1:150 SCALE APRIL-2013
JOB No. DATE

APPROVED	REVIEWED	PREPARED

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NEW DELHI INDIA