

**CHHATTISGARH MEDICAL SERVICES CORPORATION  
LIMITED,**

**( Government of Chhattisgarh)**

**Tender**

**For**

**Construction of 100 bedded MCH wing at Raigarh ( C.G.), under  
National Rural Health Mission scheme**

**Tender Drawings**

**VOLUME-VI**

**APRIL' 2013**

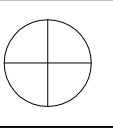


**HSCC (INDIA) LTD.  
(CONSULTANTS & ENGINEERS FOR MEGA HOSPITALS & LABORATORIES)  
E-6(A), sector-1, NOIDA(U.P) 201301 (India)**

**Phone : 0120-2542436-40**

**Fax : 0120-2542447**

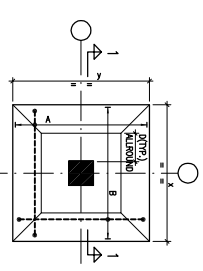
**Tender No. HSCC/NRHM/CG./2013 /02**



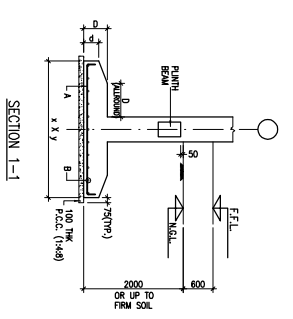
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**NOTES**

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.



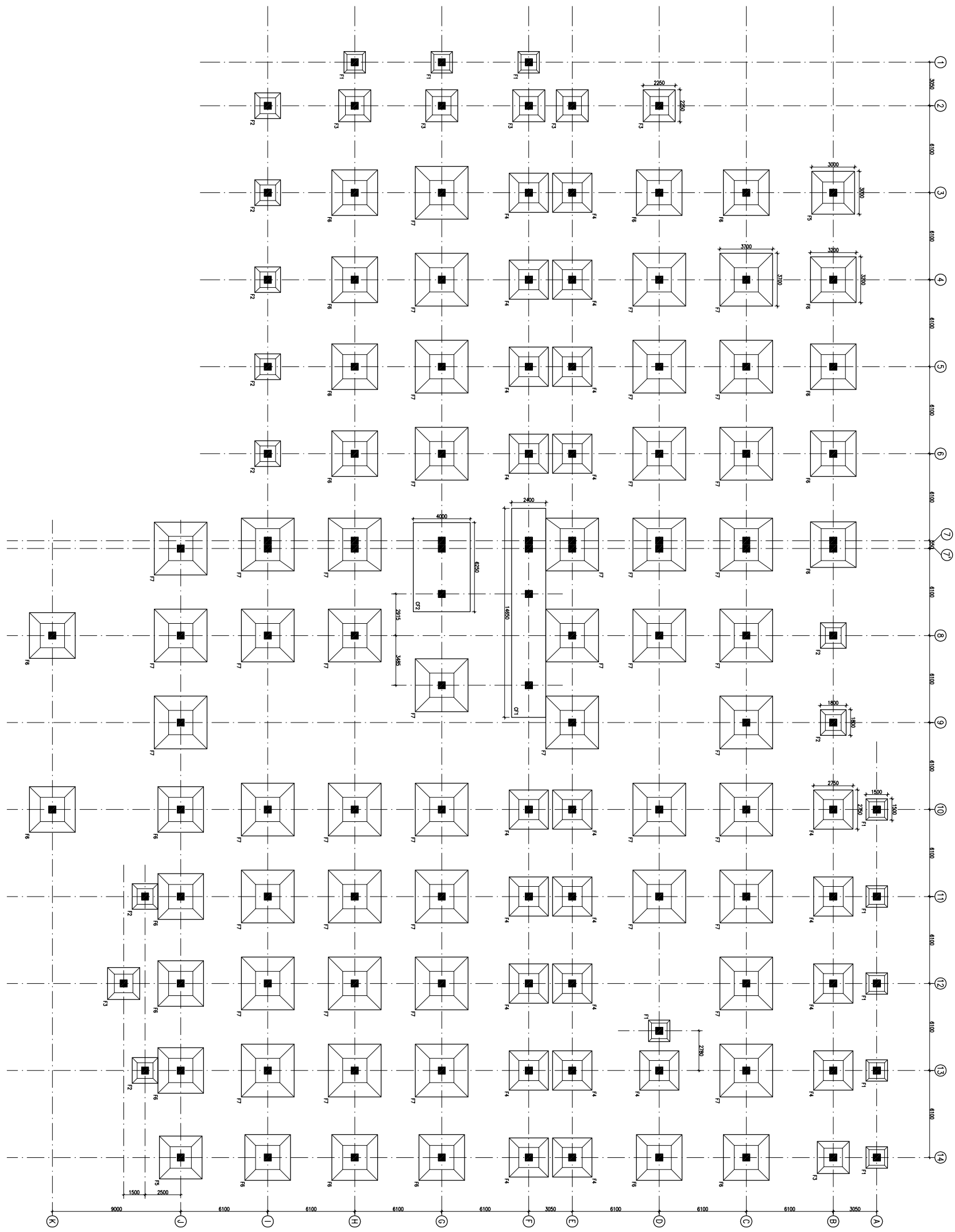
TYPICAL DETAIL OF TAPERED FOOTING



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

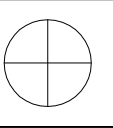
HSCC INDIA LTD.  
A GOVERNMENT OF INDIA ENTERPRISE

**HSCC**  
INDIA  
NEW DELHI

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

**TITLE**

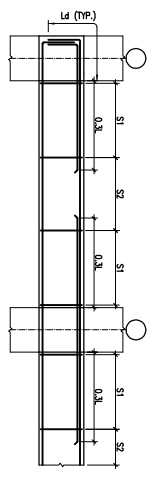
REV. DATE	DESCRIPTION
1 01.04.13	OVERALL REVISION AS PER MCH.
0 27.02.13	FOR TENDER



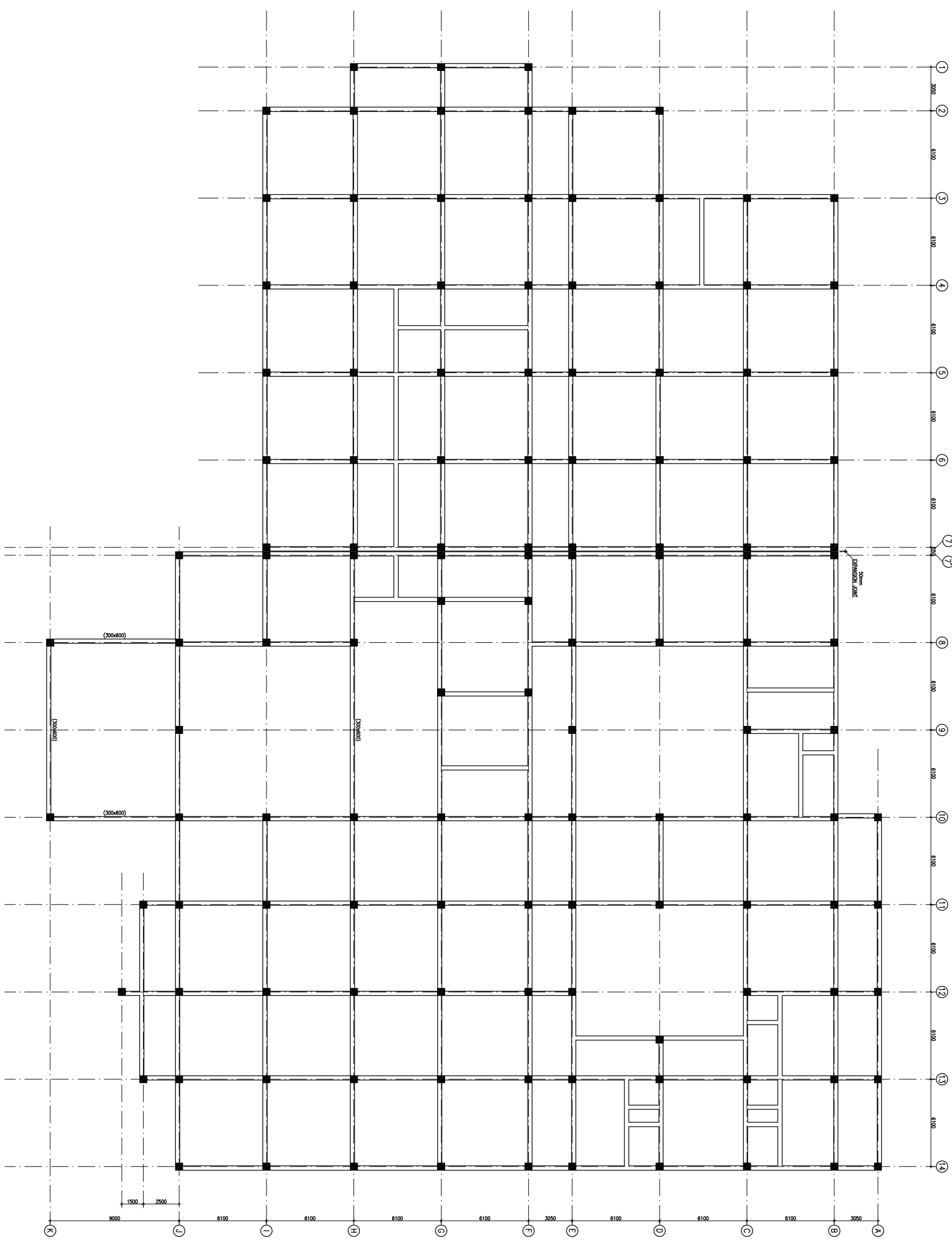
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**NOTES**

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2. READ IN CONJUNCTION WITH RELEVANT ARCH. DRG.
3. FINISHED FLOOR LVL TO BE CONFIRMED AS/ARCH. 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  $\phi$ .  
SITE REQUIREMENT
8. DEVELOPMENT LENGTH = 50xBAR  $\phi$ .



TOP BEAM R/F DETAILS



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

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**

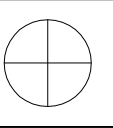
PLINTH BEAM FRAMING PLAN

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

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

APPROVED	REVIEWED	PREPARED

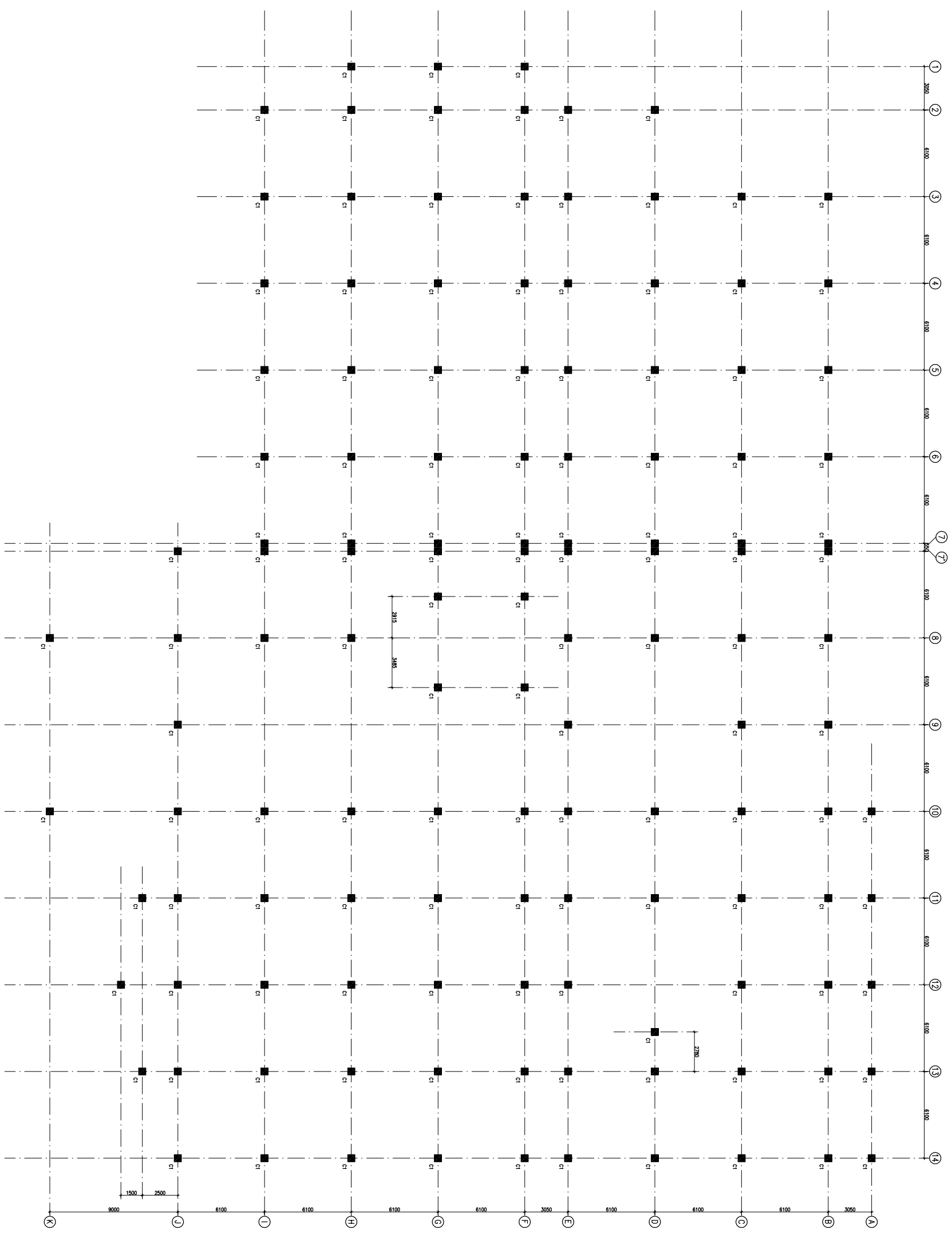
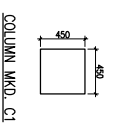
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A GOVERNMENT OF INDIA ENTERPRISE  
**HSCC**  
NEW DELHI INDIA



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**NOTES**

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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

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

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

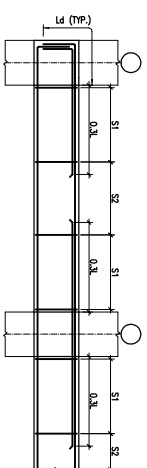
HSCC INDIA LTD.  
A GOVERNMENT OF INDIA ENTERPRISE  
**HSCC**  
NEW DELHI INDIA



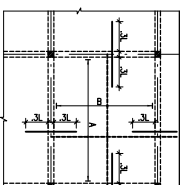
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**NOTES**

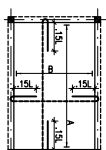
1. ALL DIMENSIONS ARE IN mm & LWS IN m.
2. READ IN CONJUNCTION WITH RELEVANT ARCH. DRG.
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FOUNDATION = 50mm  
COLUMN = 40mm  
BEAM = 30mm  
SLAB = 25mm
5. CONC. MIX. TO BE M-25 FOR ALL RCC WORK AS PER IS:456-2000
6. ALL R/F BARS TO BE  $F_{450}$  Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50xSMALLER BAR  $\phi$ . SITE REQUIREMENT
8. DEVELOPMENT LENGTH = 50xBAR  $\phi$ .



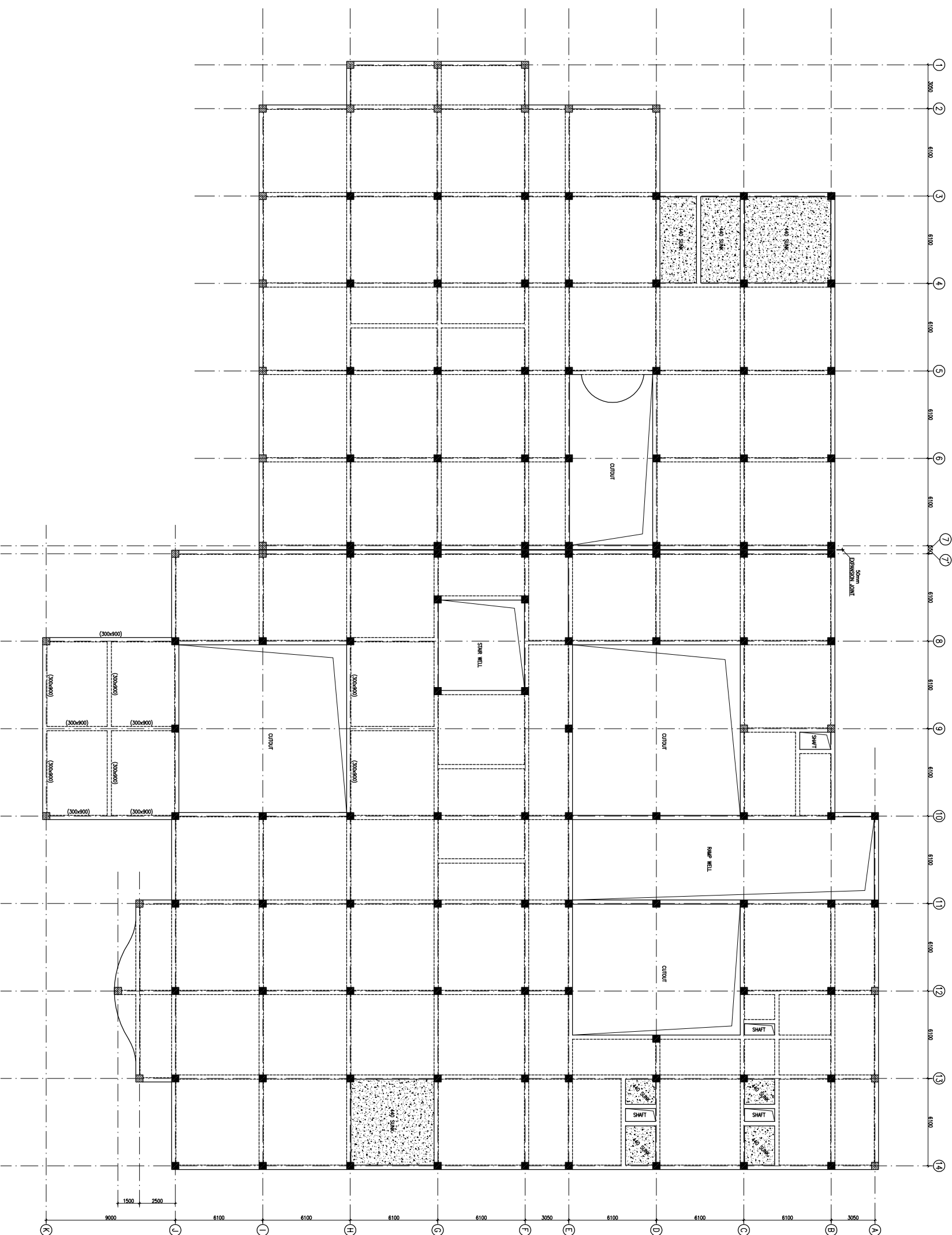
TYP. BEAM R/F DETAILS



TYP. SLAB R/F DETAIL



TYP. SUNKEN SLAB R/F DETAIL



FIRST FLOOR BEAM FRAMING PLAN  
(ALL DIMENSIONS IN MILLIMETERS 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**

FIRST FLOOR BEAM FRAMING PLAN

HSCC/RMNC/DAE/ST-T-1004

Drawing No. REV. 1

HSCC/RMNC SCALE 1:150 APRIL-2013

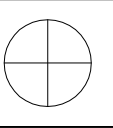
JOB No. DATE

APPROVED	REVIEWED	PREPARED

HSCC INDIA LTD.

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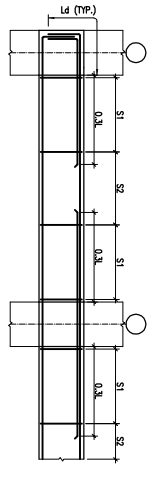
**HSCC**  
INDIA  
NEW DELHI



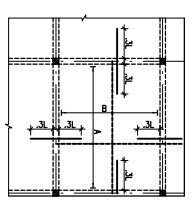
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**NOTES**

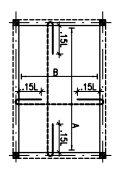
1. ALL DIMENSIONS ARE IN mm & LWS IN m.
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4. CLEAR COVER OF R/F TO BE AS BELOW:-  
FOUNDATION = 50mm  
COLUMN = 40mm  
BEAM = 30mm  
SLAB = 25mm
5. CONC. MIX. TO BE M-25 FOR ALL RCC WORK AS PER IS:456-2000
6. ALL R/F BARS TO BE  $F_{6500}$  Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50xSMALLER BAR  $\phi$ . SITE REQUIREMENT
8. DEVELOPMENT LENGTH = 50xBAR  $\phi$ .



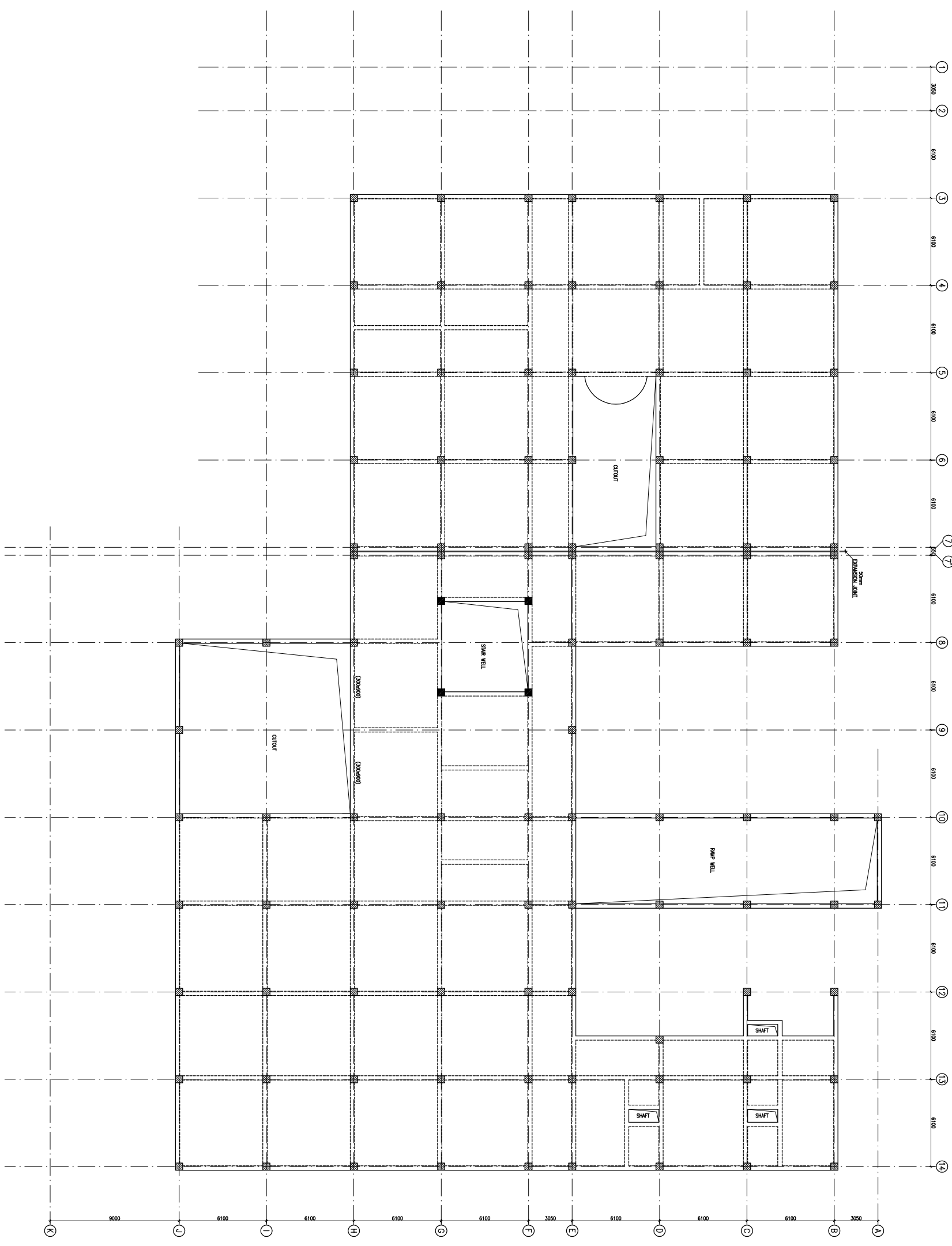
TYP. BEAM R/F DETAILS



TYP. SLAB R/F DETAIL



TYP. SUNKEN SLAB R/F DETAIL



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

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**

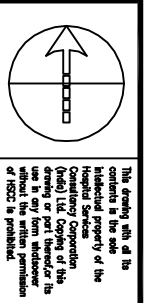
TERRACE LVL. BEAM FRAMING PLAN  
HSCC/RMNC/DAE/ST-T-1005

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

APPROVED	REVIEWED	PREPARED

HSCC INDIA LTD.  
A GOVERNMENT OF INDIA ENTERPRISE

INDIA  
NEW DELHI



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

**LEGEND:**

1	100 Ø CI SOIL & VENT PIPE
2	100Ø CI 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 SW PIPE
11	100 Ø RW PIPE
12	100 Ø HDPE/LAB WASTE PIPE
13	50 Ø HDPE/LAB WASTE PIPE
FT	FLOOR TRAP 100x100
FD	FLOOR DRAIN 50Ø
FO	FLOOR CLEAN OUT
COF	CLEAN OUT PLUG
⊗	VALVE
MH	MANHOLE (900Ø/600mm)
GT	GULLY TRAP (300x300mm)

REVISION	DESCRIPTION

**PROJECT**  
PROPOSED  
100 BEDDED HOSPITAL

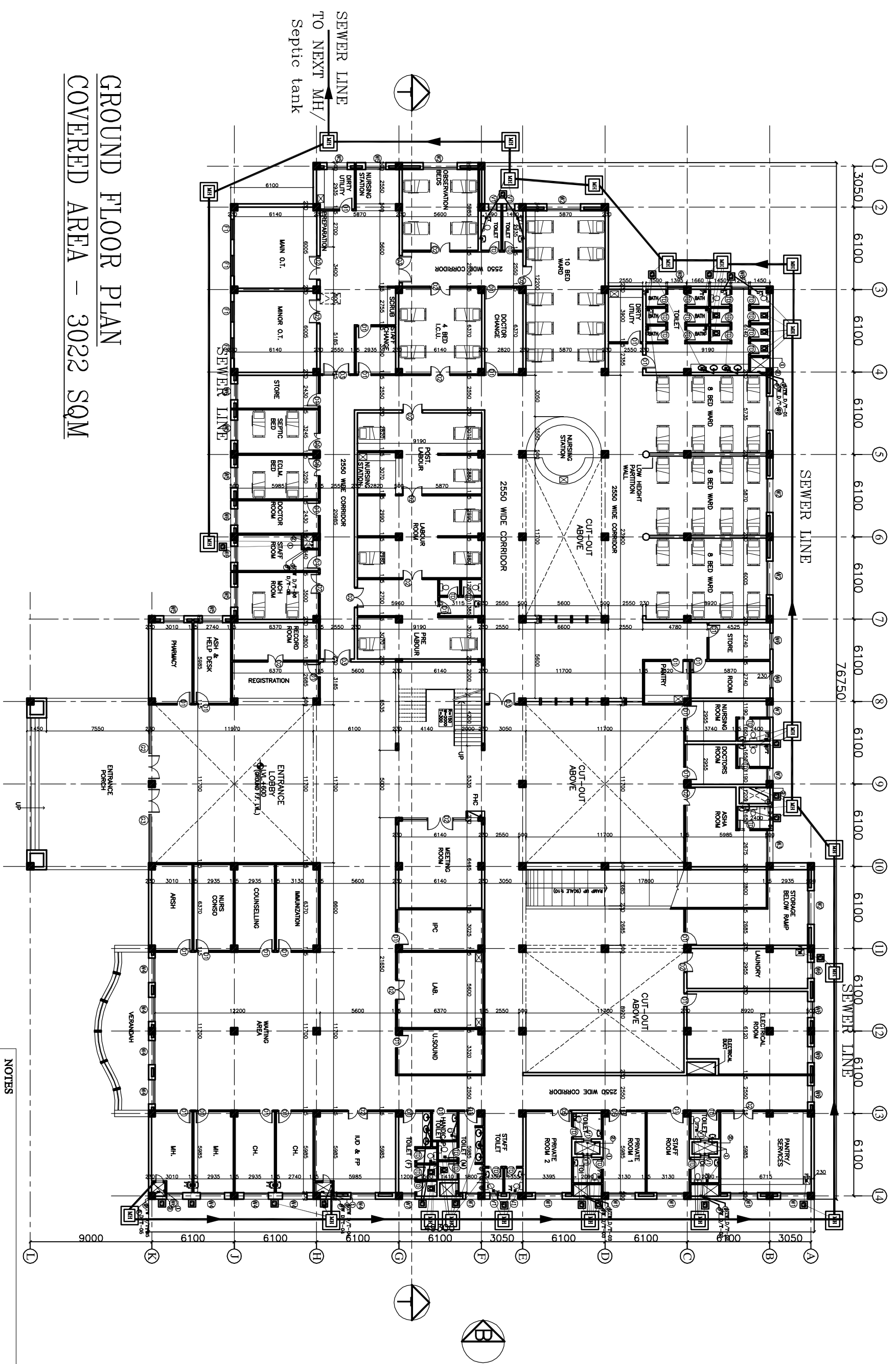
**RMNCH PROJECT,  
CHATTISGARH**

**TITLE PLUMBING  
TENDER DRAWING**

**GROUND  
FLOOR PLAN**

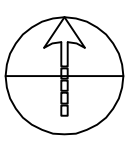
HSCC/D&E/TD/RMNCHE/PL-01	Rev.
Drawing No.	
Job No.	1-300
Scale	06-04-2013
App By	Date
RITAGI	R.SUR
App By	Rev. by
	SHAIT
	Prep. by

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



- NOTES**
1. 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.
  2. THE NUMBER & LOCATION OF FIXTURES & WET POINT TO BE FINALIZED BEFORE EXECUTION WITH CLINT OFFICER'S INCHARGE..





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- NOTES**
1. DRAWINGS TO BE READ NOT MEASURED
  2. PARTITION WALL IN TOILETS UP TO UNTEL HEIGHT

**LEGEND:**

1	100 Ø CI SOIL & VENT PIPE
2	100Ø CI 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 Sk.Utlia
7	32Ø GI/CPVC WASTE PIPE FOR W.A.
8	Ø CPVC UTW/DN.7/4K
9	Ø CPVC TW/DN.7/4K
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
FD	FLOOR DRAIN 50Ø
FT	FLOOR TRAP 100x100
FOO	FLOOR CLEAN OUT
COF	CLEAN OUT PLUG
☒	VALVE
MH	MANHOLE (900x900)mm
GT	GULLY TRAP(300x300)mm

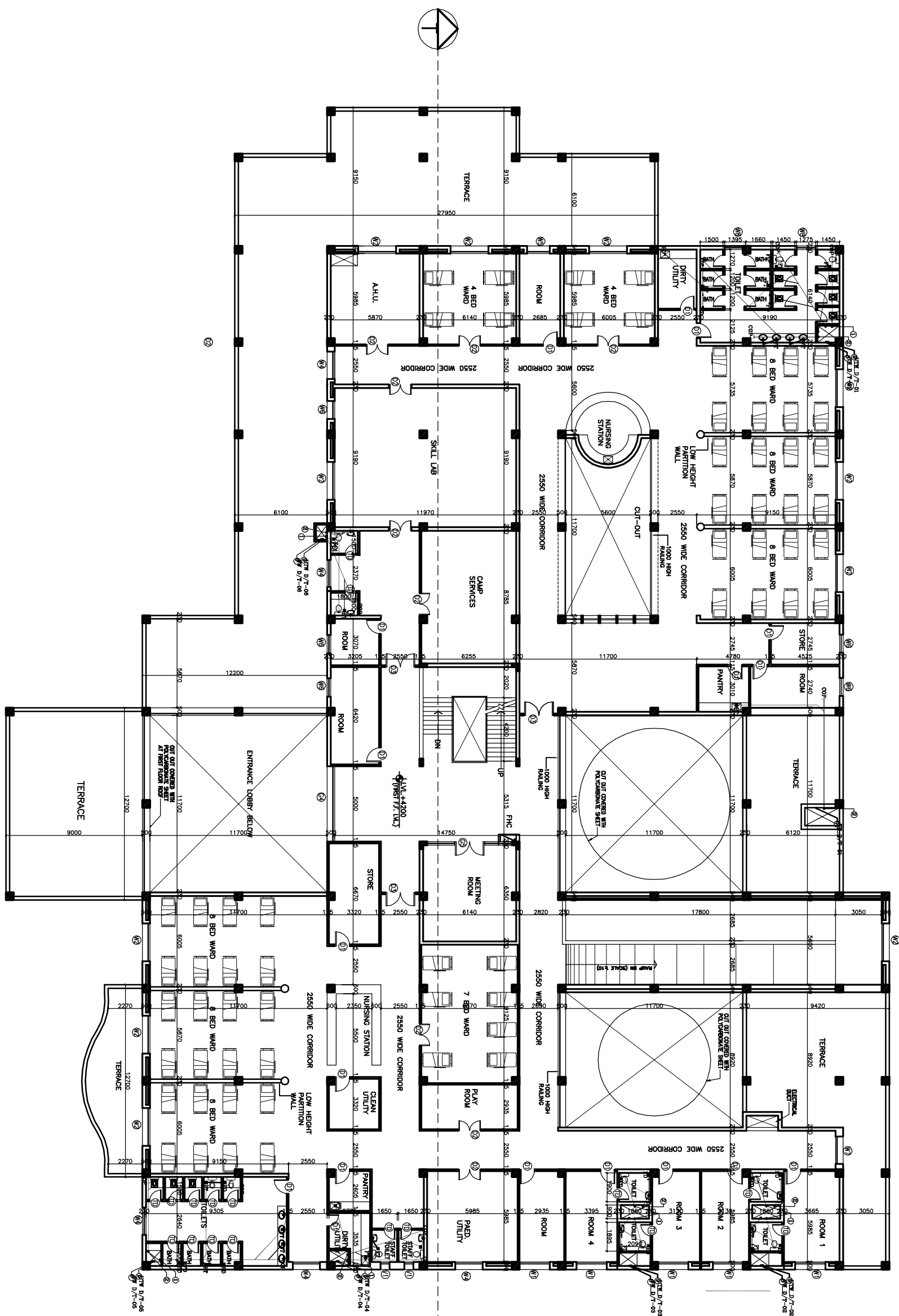
REVISION	DESCRIPTION

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

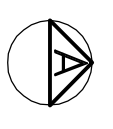
**TITLE PLUMBING**  
 TENDER DRAWING  
 FIRST  
 FLOOR PLAN

HSCC/D&E/TD/RMNC/PL-02	Rev
Drawing No.	
Job No.	1:300
Scale	05-04-2013
Date	
App by	R.TAGI
Rev. by	R.SUR
Prep. by	S.BHATT

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**HSCC**  
 NEW DELHI INDIA

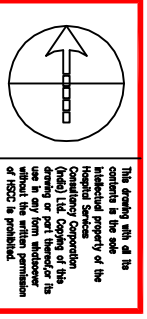


**FIRST FLOOR PLAN**  
**COVERED AREA – 2050 SQM**



- NOTES**
1. 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.
  2. THE NUMBER & LOCATION OF FIXTURES & WET POINT TO BE FINALIZED BEFORE EXECUTION WITH CLINT OFFICER'S INCHARGE..





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

**LEGEND:**

1	100 Ø CI SOIL & VENT PIPE
2	100Ø CI 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 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
FD	FLOOR TRAP-100x100
FD	FLOOR DRAIN 50Ø
FO	FLOOR CLEAN OUT
COF	CLEAN OUT PLUG
⊗	VALVE
MH	MANHOLE (900x600)mm
GT	GULLY TRAP(300x300)mm

REVISION	DESCRIPTION

**PROJECT**  
PROPOSED  
100 BEDDED HOSPITAL

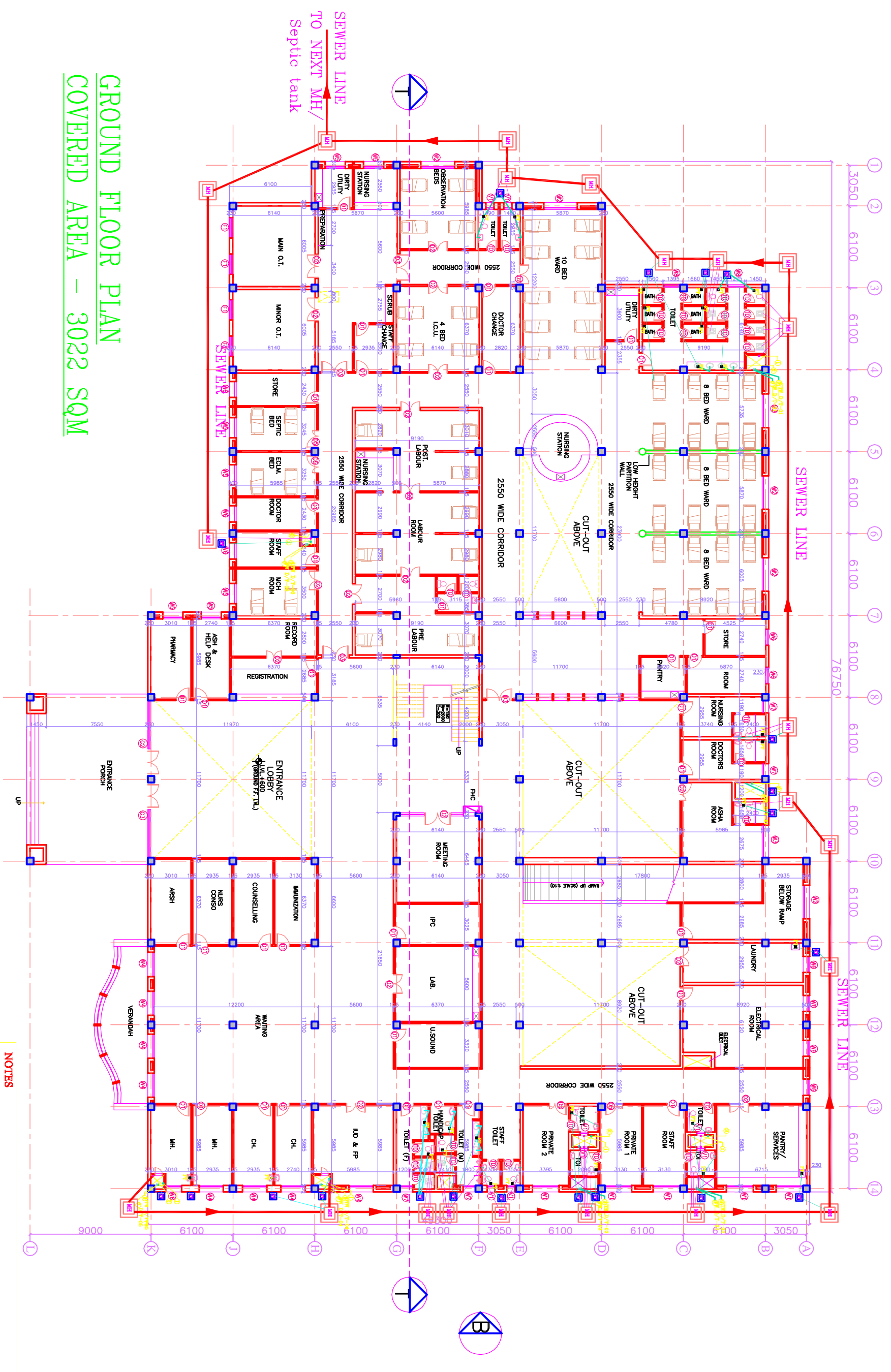
**RMNCH PROJECT,  
CHATTISGARH**

**TITLE PLUMBING**

**TENDER DRAWING**

**GROUND FLOOR PLAN**

HSCC/D&E/TD/RMNCHE/PL-01		Rev.
Drawing No.	1:300	06-04-2013
Job No.	Scale	Date
RITAGI App By	R.SUR Rev. By	S.BHAI Prep. by

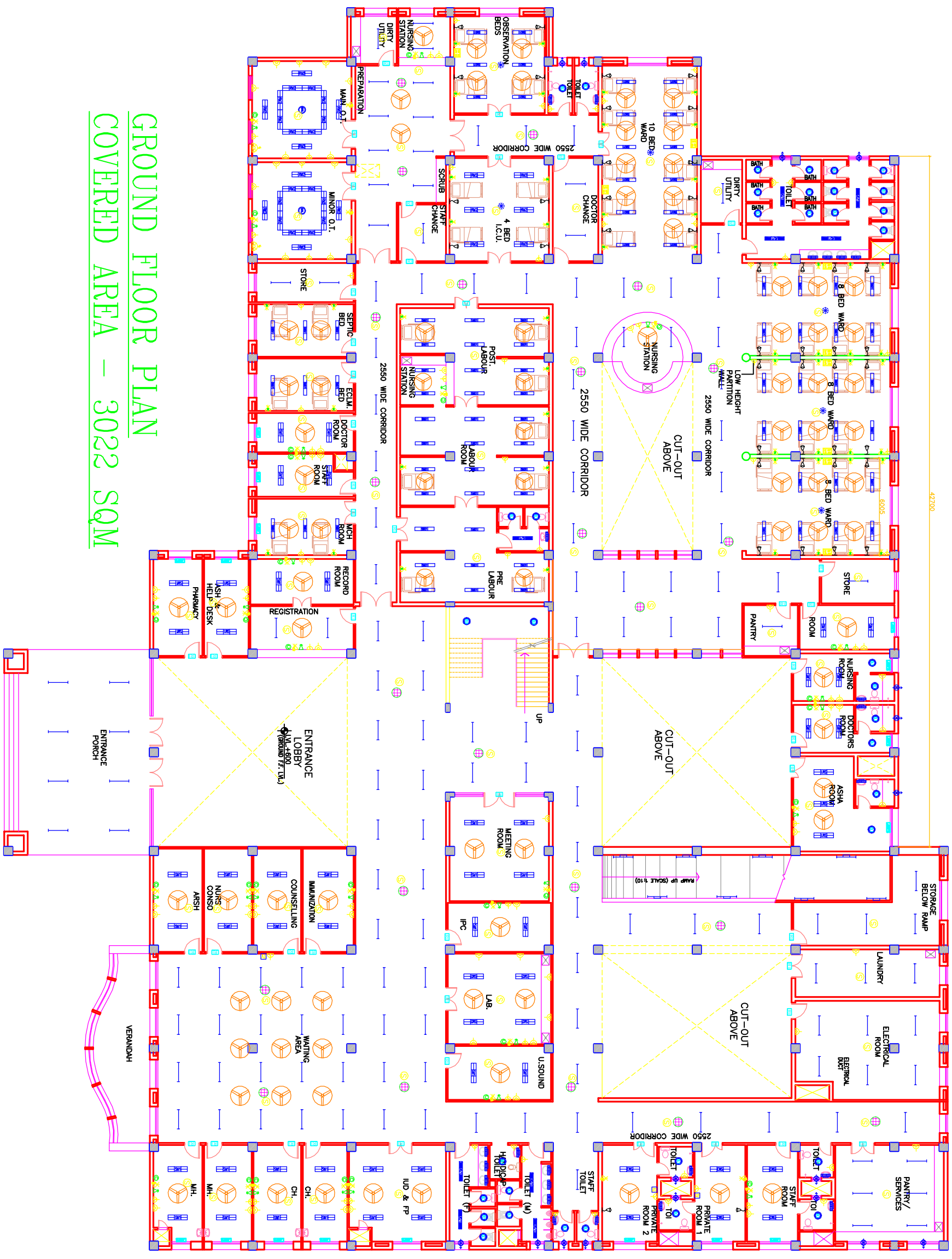


**GROUND FLOOR PLAN  
COVERED AREA - 3022 SQM**

- NOTES**
1. 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.
  2. THE NUMBER & LOCATION OF FIXTURES & WET POINT TO BE FINALIZED BEFORE EXECUTION WITH CLINT OFFICER'S INCHARGE..

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**NOTES**

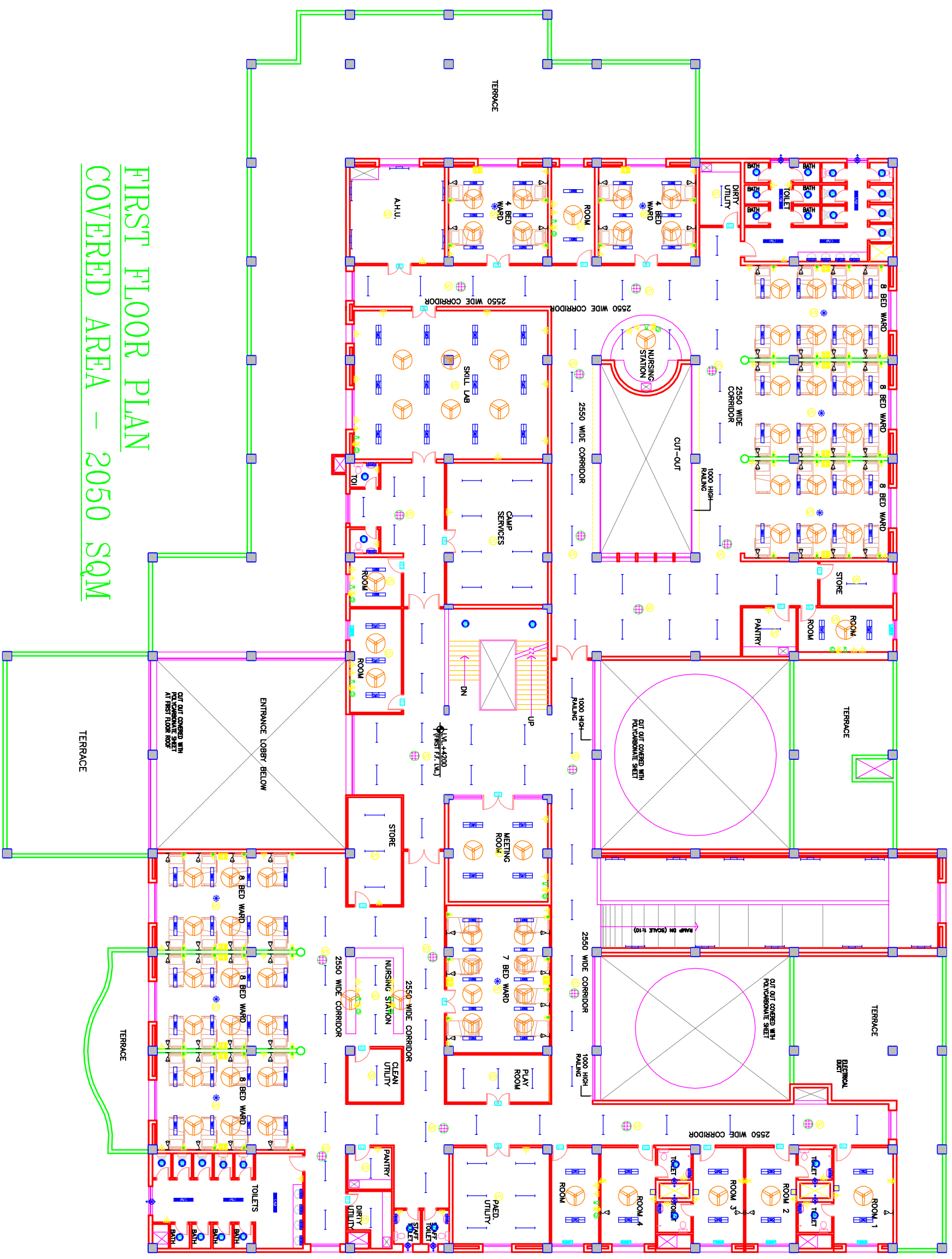


**GROUND FLOOR PLAN  
COVERED AREA – 3022 SQM**

<b>REV. DATE</b>		<b>DESCRIPTION</b>	
<b>PROJECT</b>			
RMNCH PROJECT			
Proposed			
100 Bedded Hospital			
AT			
CHATTISGARH			
<b>TITLE</b>			
MODEL PLANS			
GROUND			
FLOOR PLAN			
ELECTRICAL LAYOUT			
(COVERED AREA=3022 SQ. MT.)			
HSCC/IA&E/DEL-101		R-0	
Drawing No.		Rev.	
HSCC/-		NTS	
Job No.		Scale	
		Date	
App by		Rev. by	
		Prep. by	

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**NOTES**



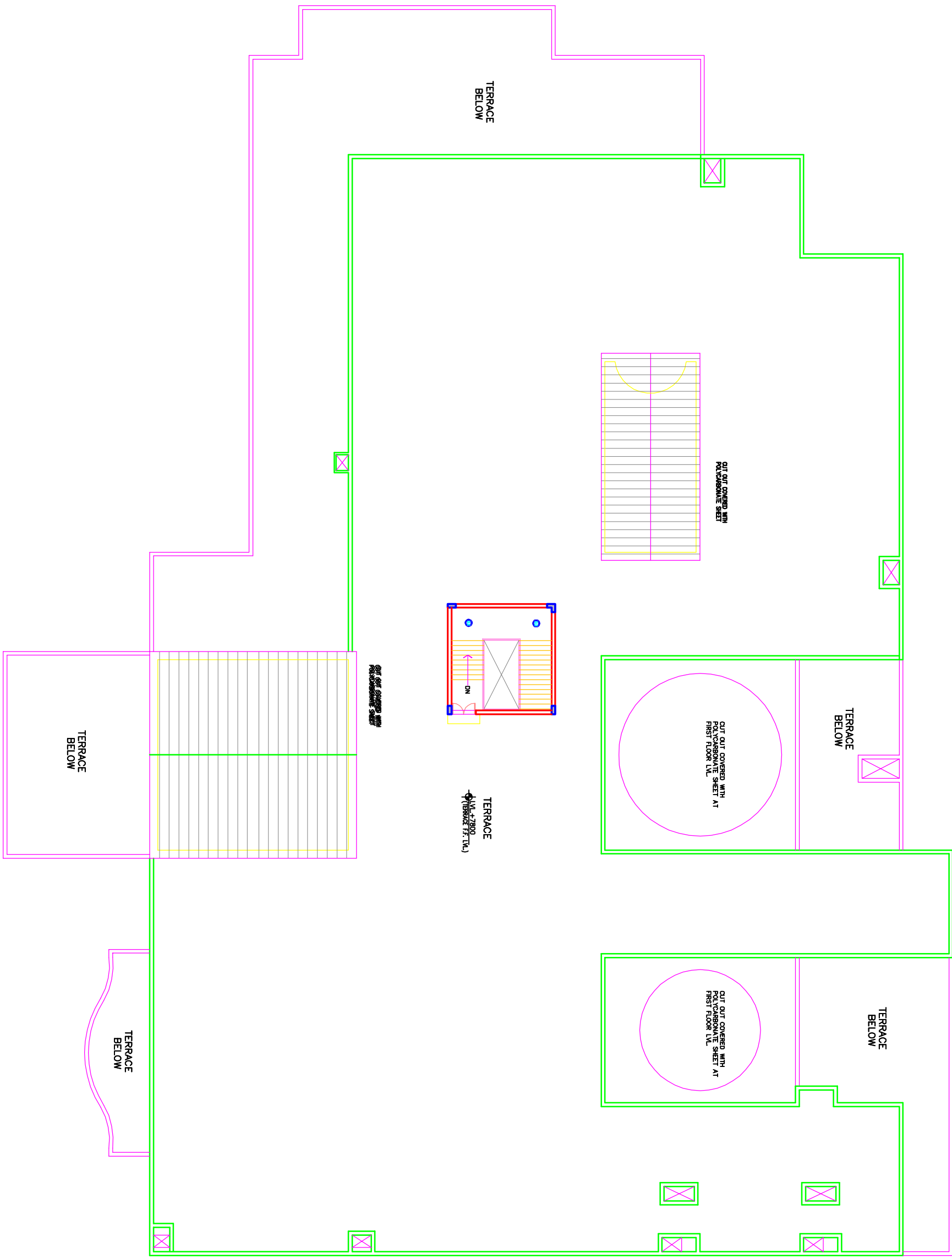
**FIRST FLOOR PLAN**  
**COVERED AREA – 2050 SQM**

<b>PROJECT</b>		Proposed 100 Bedded Hospital AT CHATTISGARH	
<b>RMNCH PROJECT</b>			
<b>REV. DATE</b>	<b>DESCRIPTION</b>		
<b>TITLE</b>			
<b>MODEL PLANS</b>			
<b>FIRST FLOOR PLAN</b>			
<b>ELECTRICAL LAYOUT</b>			
<b>(COVERED AREA=2050 SQ. MT.)</b>			
HSCC/DA&E/TD/DEL-102		R-0	
Drawing No.			
HSCC/-	N/S	Date	
Job No.	Scale		
App by	Rev. by	Prep. by	

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**NOTES**

<p><b>PROJECT</b>  <b>RMNCH PROJECT</b>          Proposed          100 Bedded Hospital          AT          CHATTISGARH</p>		<p><b>TITLE</b>          MODEL PLANS          TERRACE          PLAN          ELECTRICAL LAYOUT</p>	
<p>REV. DATE DESCRIPTION</p>	<p>REVISION</p>	<p>HSCC/D&amp;E/TD/DEL-103</p>	<p>R-0</p>
<p>App by</p>	<p>Rev. by</p>	<p>Job No.</p>	<p>Date</p>
<p>Prep. by</p>	<p>Scale</p>	<p>NTS</p>	<p>Rev.</p>





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REV	DATE	DESCRIPTION

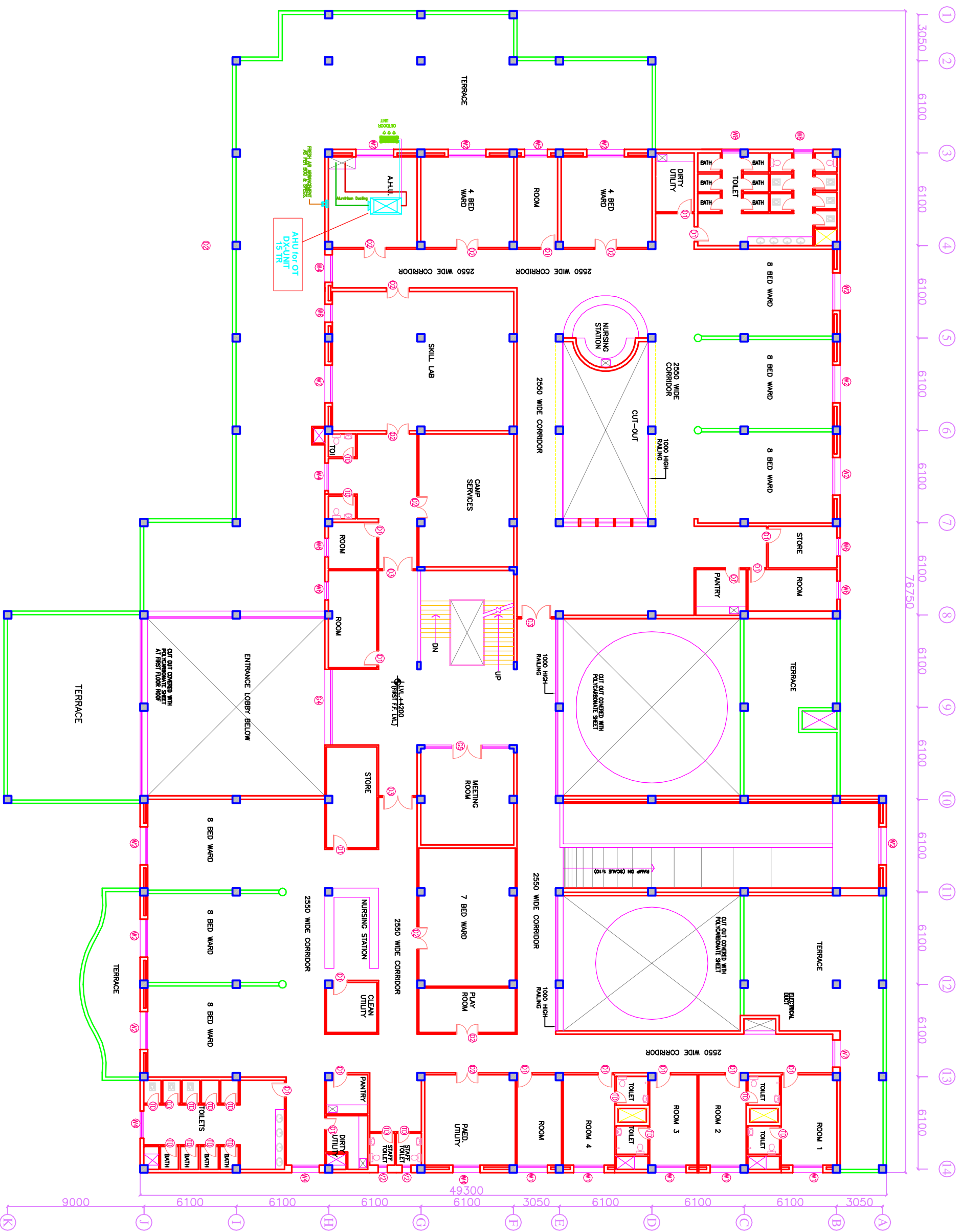
**PROJECT**

Proposed  
100 Bedded Hospital  
At CHHATTISGARH

**TITLE**

TENDER DRAWING  
GROUND FLOOR PLAN  
HVAC LAYOUT  
(COVERED AREA=3022 SQ. MT.)

ESCCD&EHTYAONRBNMCGAC-01	R-0
Drawing No.	
BSQC/-	1:125
Job No.	Scale
	25-03-2013
Date	
App by	Rev. by
	Prep. by



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REV	DATE	DESCRIPTION

**PROJECT**

Proposed  
100 Bedded Hospital  
At CHHATISGARH

**TITLE**

TENDER DRAWING  
FIRST FLOOR PLAN  
HVAC LAYOUT  
(COVERED AREA=2050 SQ. MT.)

ESCCD&E/HT/AC/ENR/HA/CG/AC-02	R-0
Drawing No.	Rev.
BS/CC/-	1:125
Job No.	Scale
	19-03-2013
	Date
App by	Rev. by
	Prep. by