

**CHHATTISGARH MEDICAL SERVICES CORPORATION
LIMITED,**

(Government of Chhattisgarh)

Tender

For

**Construction of 100 bedded MCH wing at Bemetara (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 /05

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NOTES

REV	DATE	DESCRIPTION

PROJECT
 RMNCH PROJECT
 Proposed
 100 Bedded Hospital
 at
 BEMETARA, CHATTISGARH

TITLE
 SITE PLAN

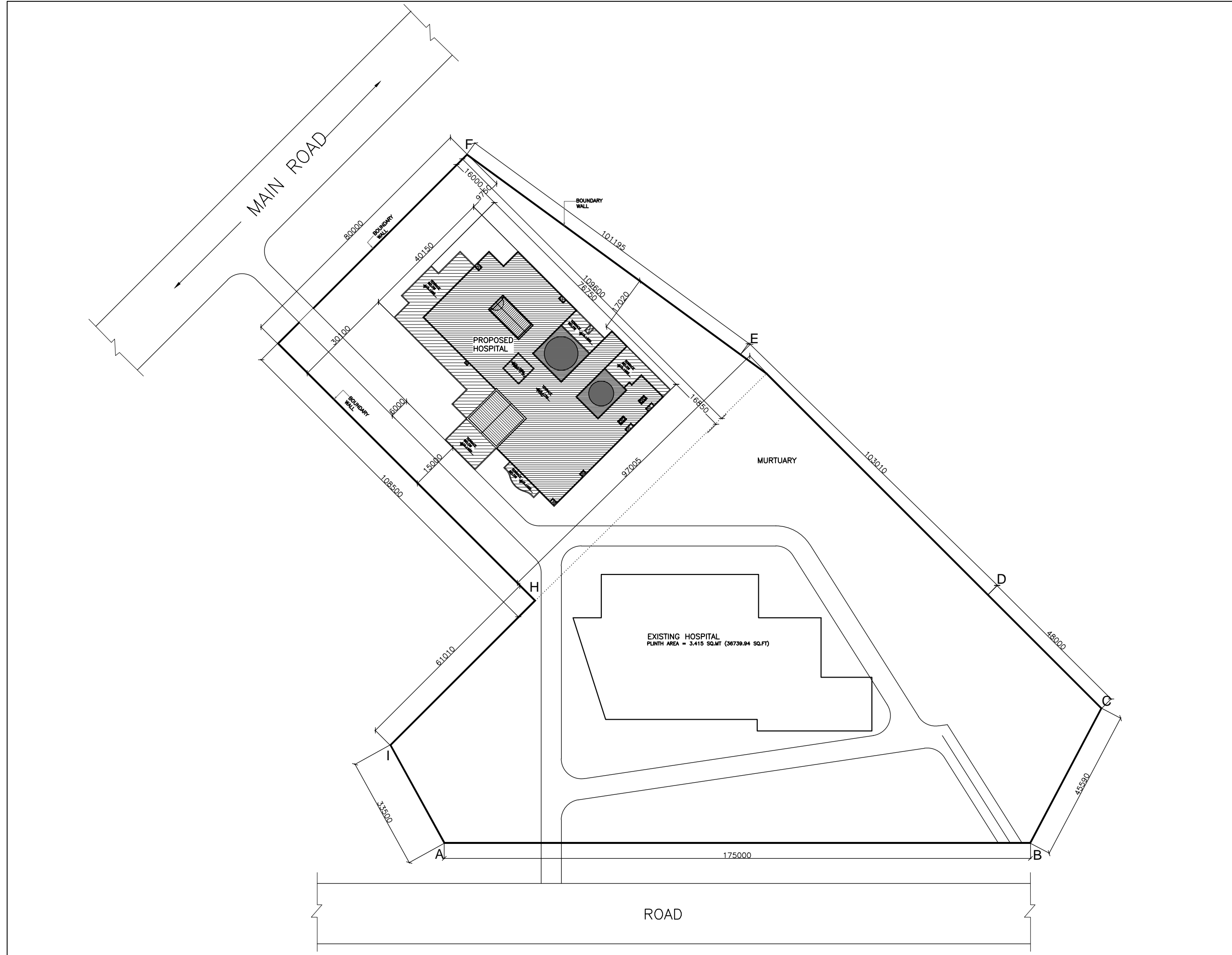
TENDER DRAWINGS
 (ARCHITECTURE)

HSCC/BEMETARA/TD/001 R-0
 Drawing No. Rev.

Job No.	1:1000 Scale	01-04-2013 Date
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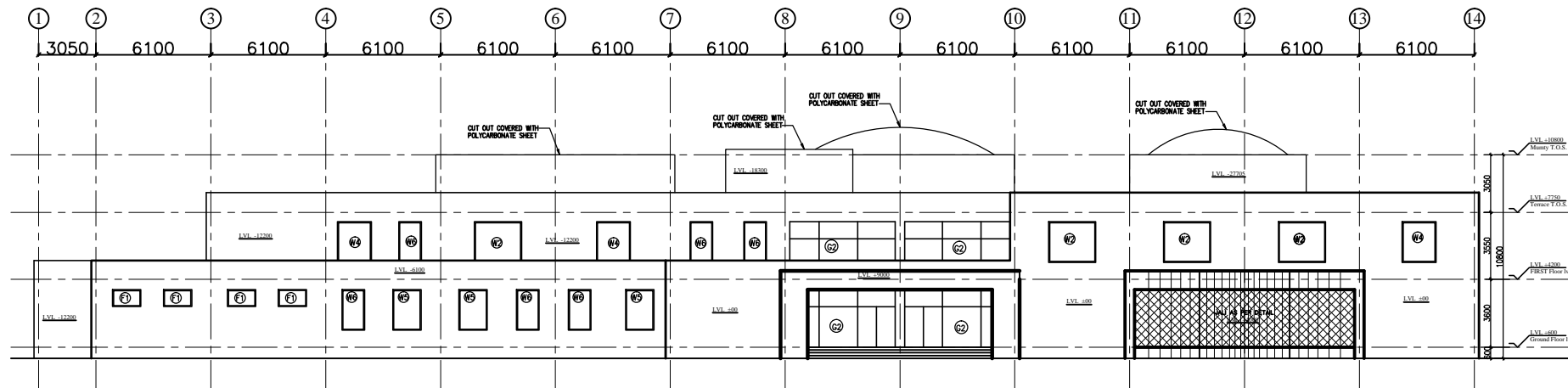
App. by	Rev. by	Prep. by
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HSCC
 NEW DELHI INDIA

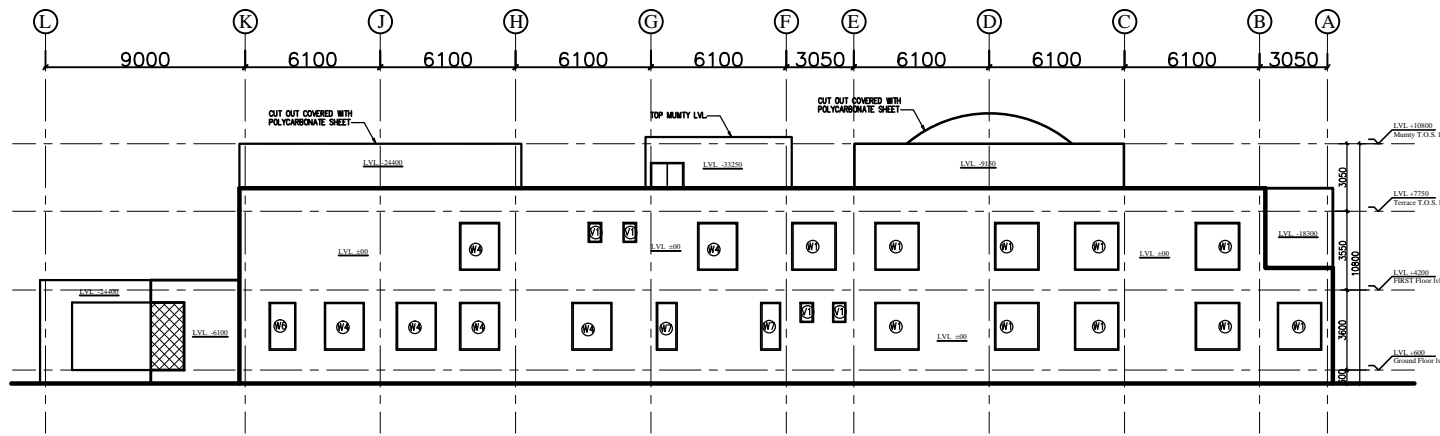


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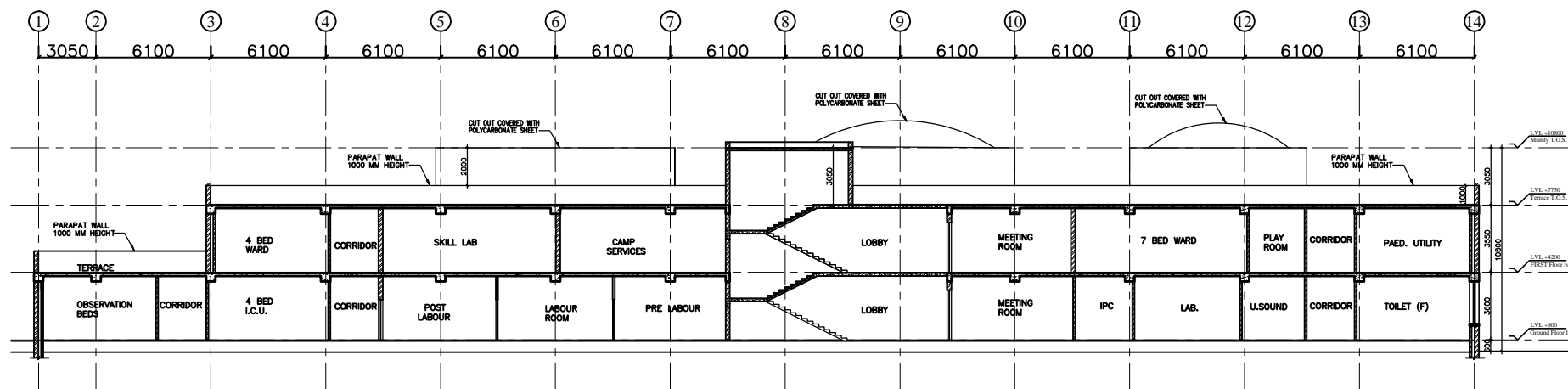
NOTES



ELEVATION A



ELEVATION B



SECTION TT

PROJECT
 RMNCH PROJECT
 Proposed
 100 Bedded Hospital
 at
 BEMETARA, CHATTISGARH

TITLE
 ELEVATION - SECTION

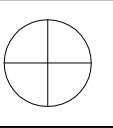
TENDER DRAWINGS
 (ARCHITECTURE)

HSCC/BEMETARA/TD/005 R-0
 Drawing No. Rev.

HSCC/- 1:300 01-04-2013
 Job No. Scale Date

App by Rev. by Prep. by

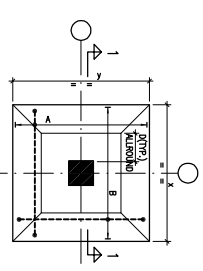
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HSCC
 NEW DELHI INDIA



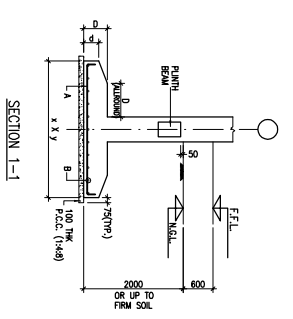
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NOTES

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 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.



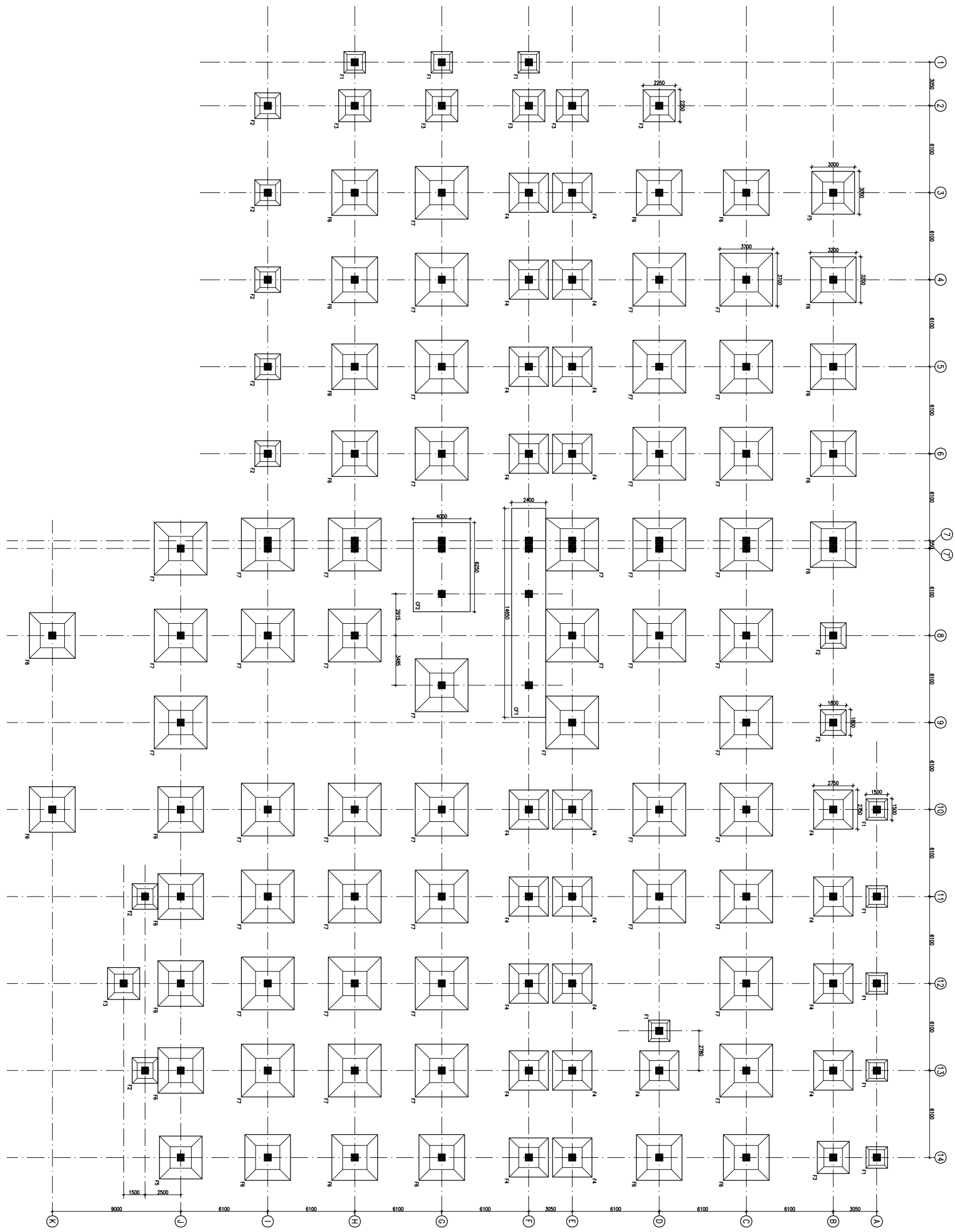
TYPICAL DETAIL OF TAPERED FOOTING



SECTION 1-1

FOOTING SCHEDULE

S.No.	MD.	SEMI-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

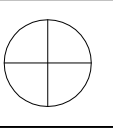
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HSCC
INDIA
NEW DELHI

PROJECT
PROPOSED
100 BEDDED HOSPITAL
RMNC PROJECT,
CHATTISGARH

TITLE

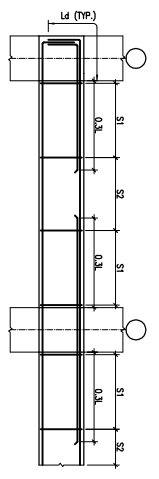
REV	DATE	DESCRIPTION
1	01.04.13	OVERALL REVISION AS PER MCH.
0	27.02.13	FOR TENDER



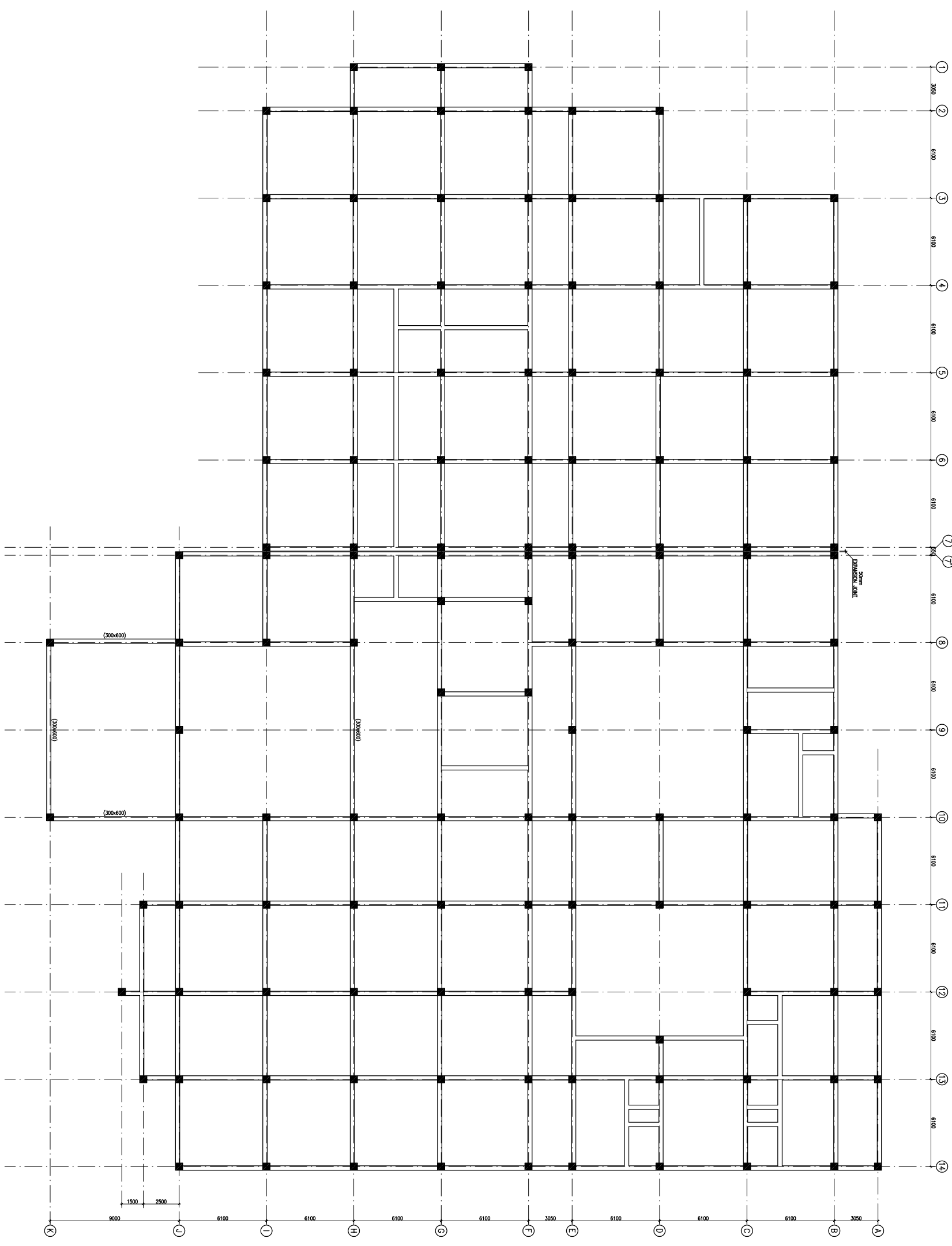
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NOTES

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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 .



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

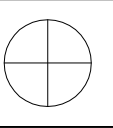
PLINTH BEAM FRAMING PLAN

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

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

APPROVED	REVIEWED	PREPARED

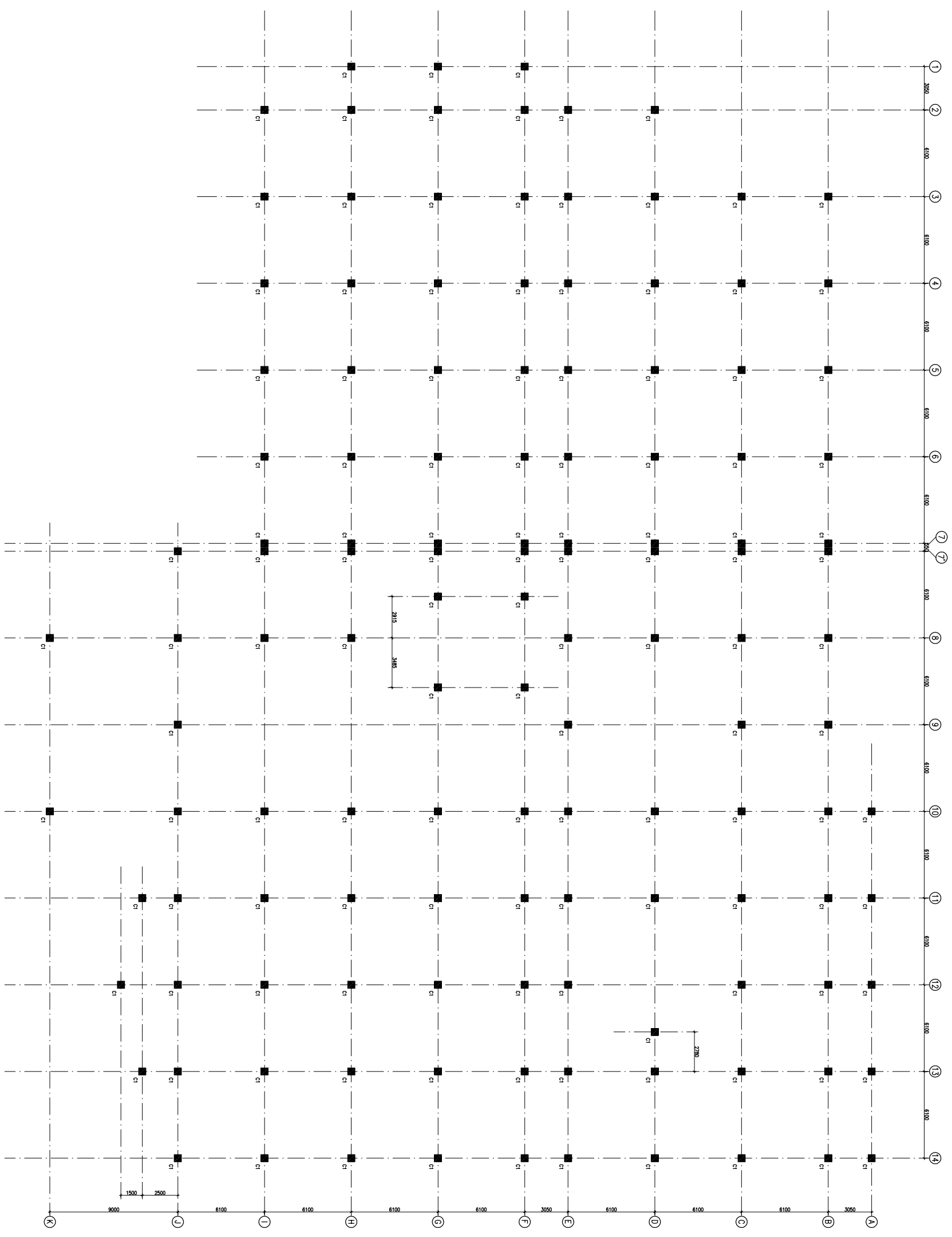
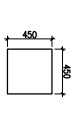
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HSCC
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 FOUNDATION = 50mm
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 BEAM = 30mm
 SLAB = 25mm
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6. ALL R/F BARS TO BE ϕ 6300 Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50xSMALLER BAR ϕ . ALL LAPS TO BE PLANNED SUITABLY AS PER SITE REQUIREMENT
8. DEVELOPMENT LENGTH = 50xBAR ϕ .



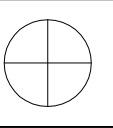
COLUMN LAYOUT PLAN

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TITLE	
COLUMN LAYOUT PLAN	
PROJECT	
PROPOSED 100 BEDDED HOSPITAL RMNCH PROJECT, CHATTISGARH	
REVISION	
REV. No.	DESCRIPTION
1	01.04.13 OVERALL REVISION AS PER ARCH. FOR TENDER
0	27.02.13
APPROVED	
REVIEWED	PREPARED

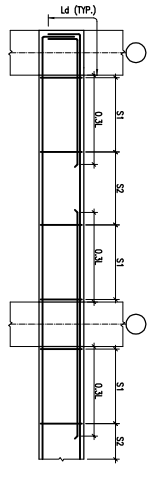
Drawing No. REV. 1
HSCC/RMNC/D&E/ST-T-1002
SCALE 1:150
DATE APRIL-2013



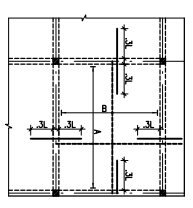
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NOTES

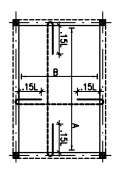
1. ALL DIMENSIONS ARE IN mm & LWS IN m.
2. READ IN CONJUNCTION WITH RELEVANT ARCH. DRG.
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 BEAM = 30mm
 SLAB = 25mm
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6. ALL R/F BARS TO BE F_{450} Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50xSMALLER BAR ϕ . SITE REQUIREMENT
8. DEVELOPMENT LENGTH = 50xBAR ϕ .



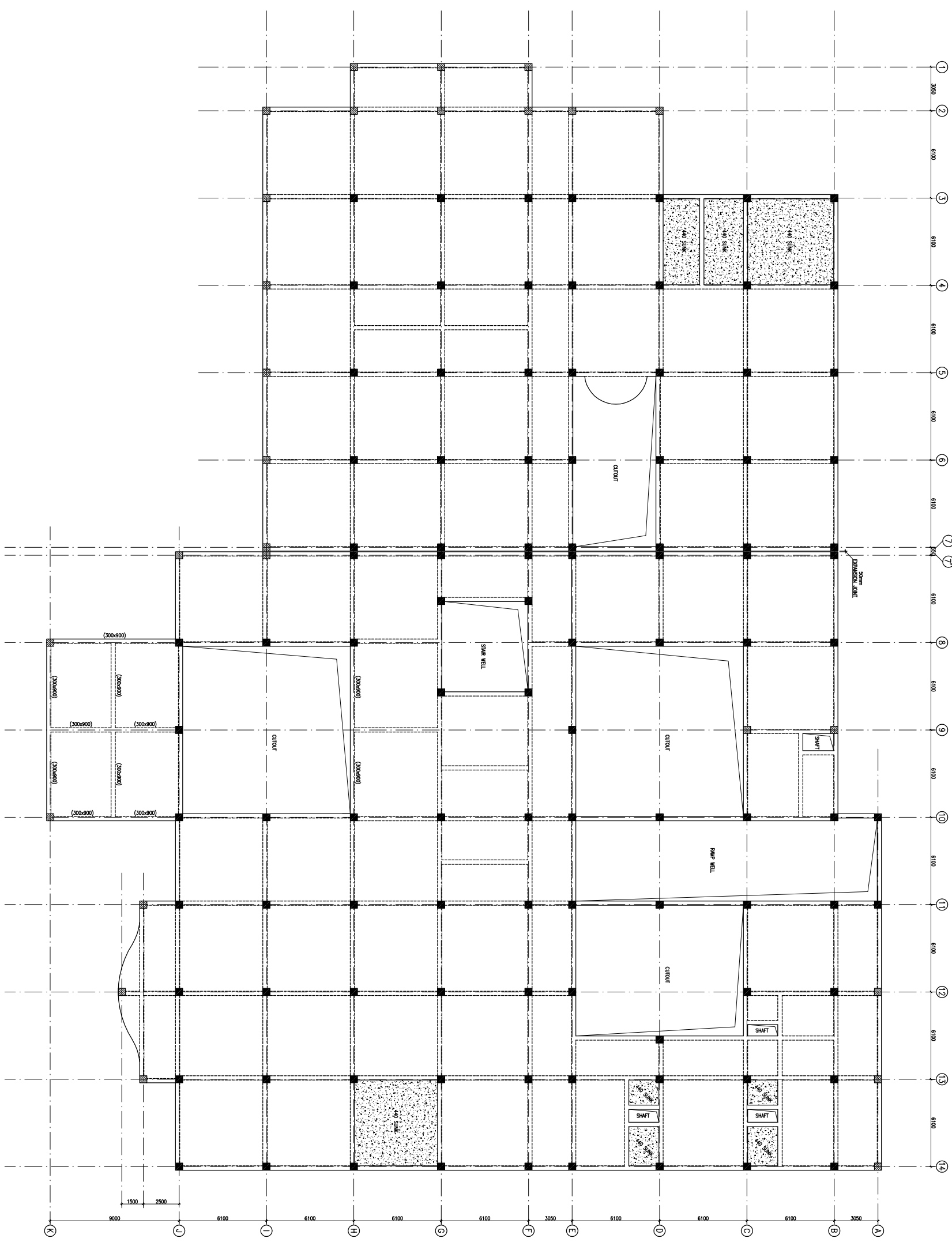
TYP. BEAM R/F DETAILS



TYP. SLAB R/F DETAIL



TYP. SUNKEN SLAB R/F DETAIL



FIRST FLOOR BEAM FRAMING PLAN
 (ALL DIMENSIONS ARE IN mm & LWS IN m)

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

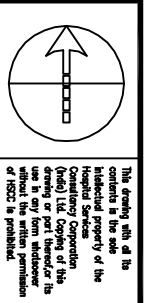
FIRST FLOOR BEAM FRAMING PLAN

HSCC/RMNC/D&E/ST-T-1004

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

APPROVED	REVIEWED	PREPARED
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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 S.W. PIPE
11	100 Ø R.W. 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 (900x900)mm
GT	GULLY TRAP(300x300)mm

REVISION	DESCRIPTION

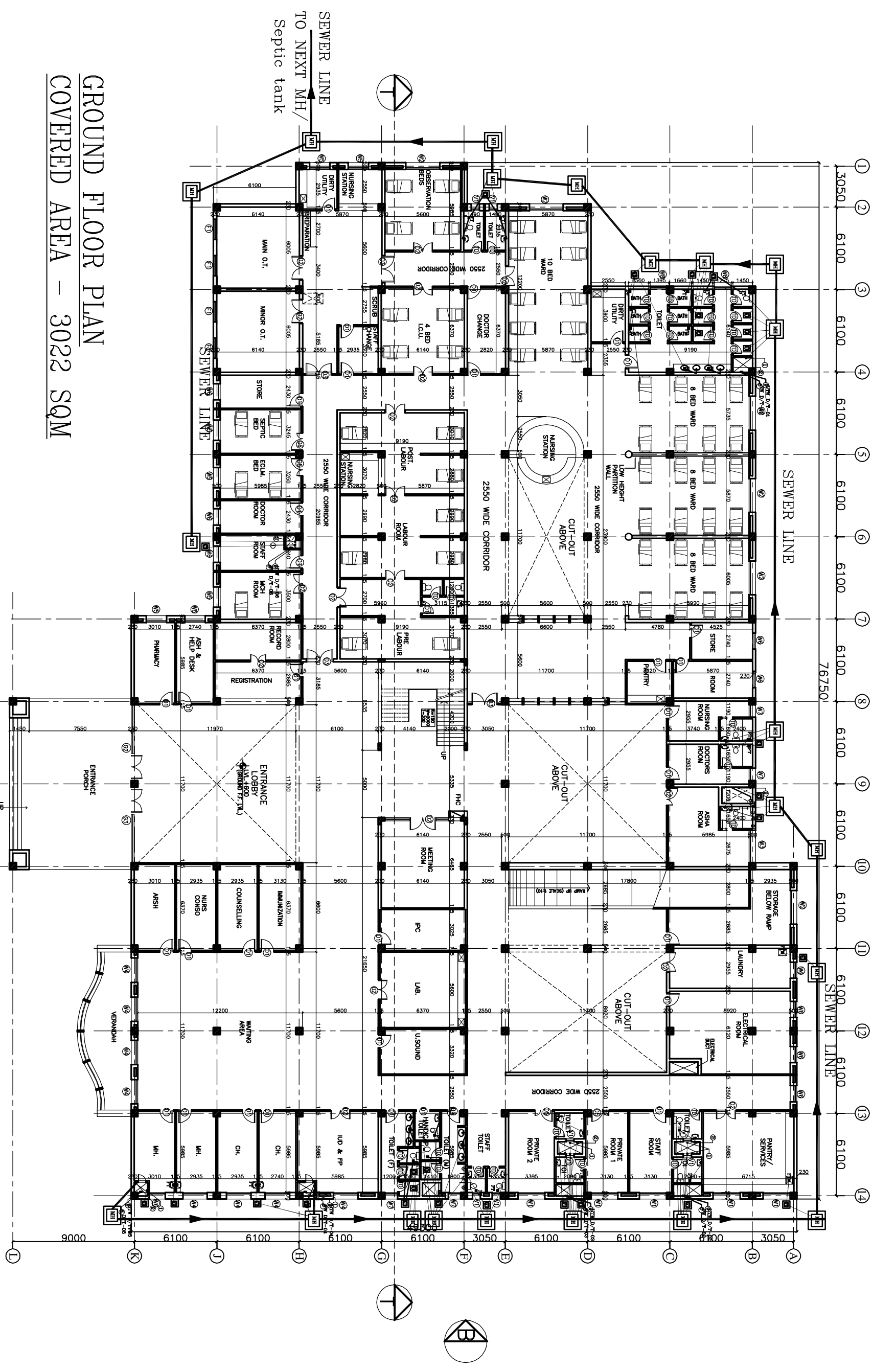
PROJECT
PROPOSED
100 BEDDED HOSPITAL

**RMNCH PROJECT,
CHATTISGARH**

**TITLE PLUMBING
TENDER DRAWING**

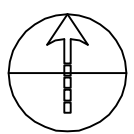
**GROUND
FLOOR PLAN**

HSCC/D&E/TD/RMNC/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

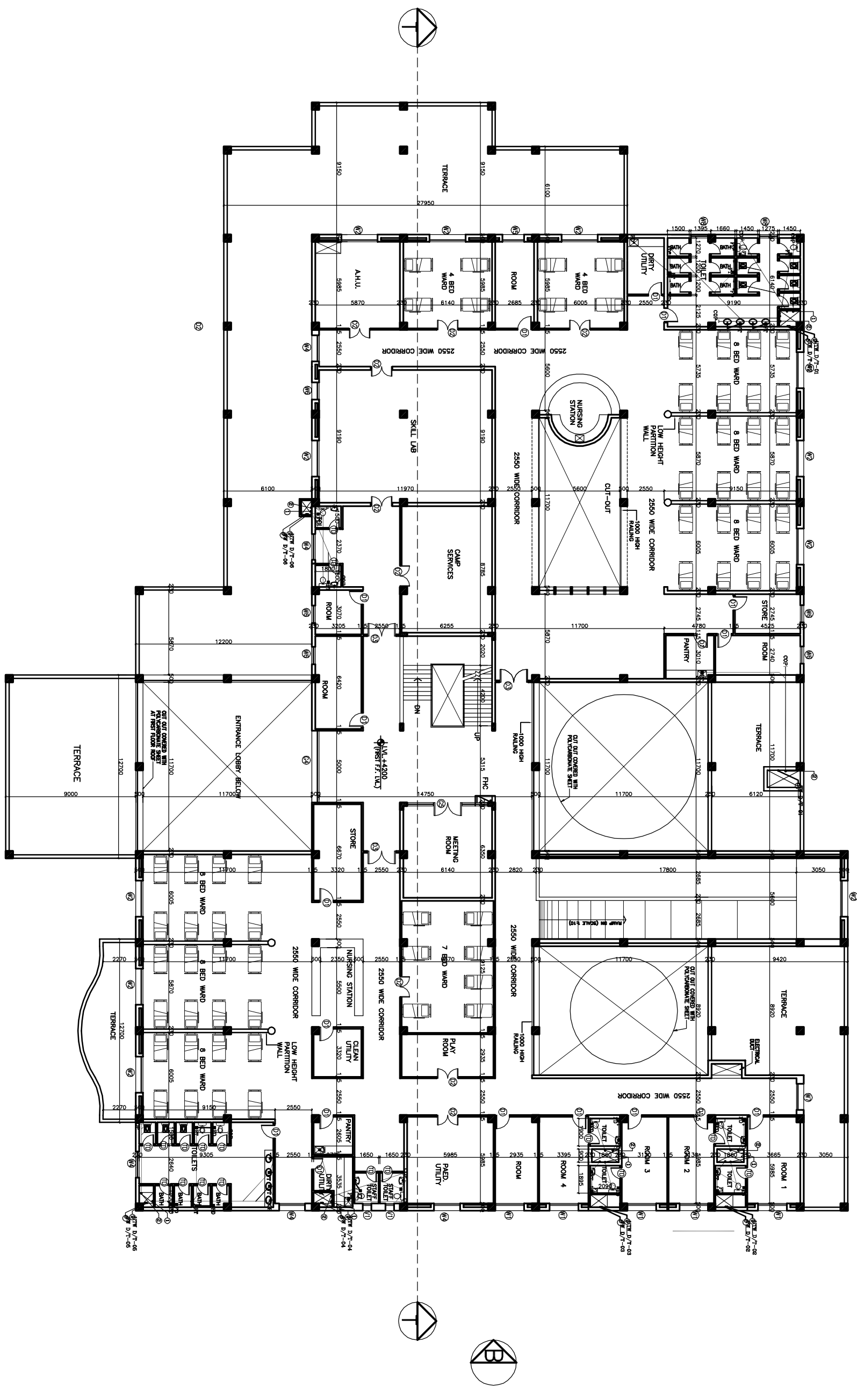
REVISION	DESCRIPTION

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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 NEW DELHI INDIA



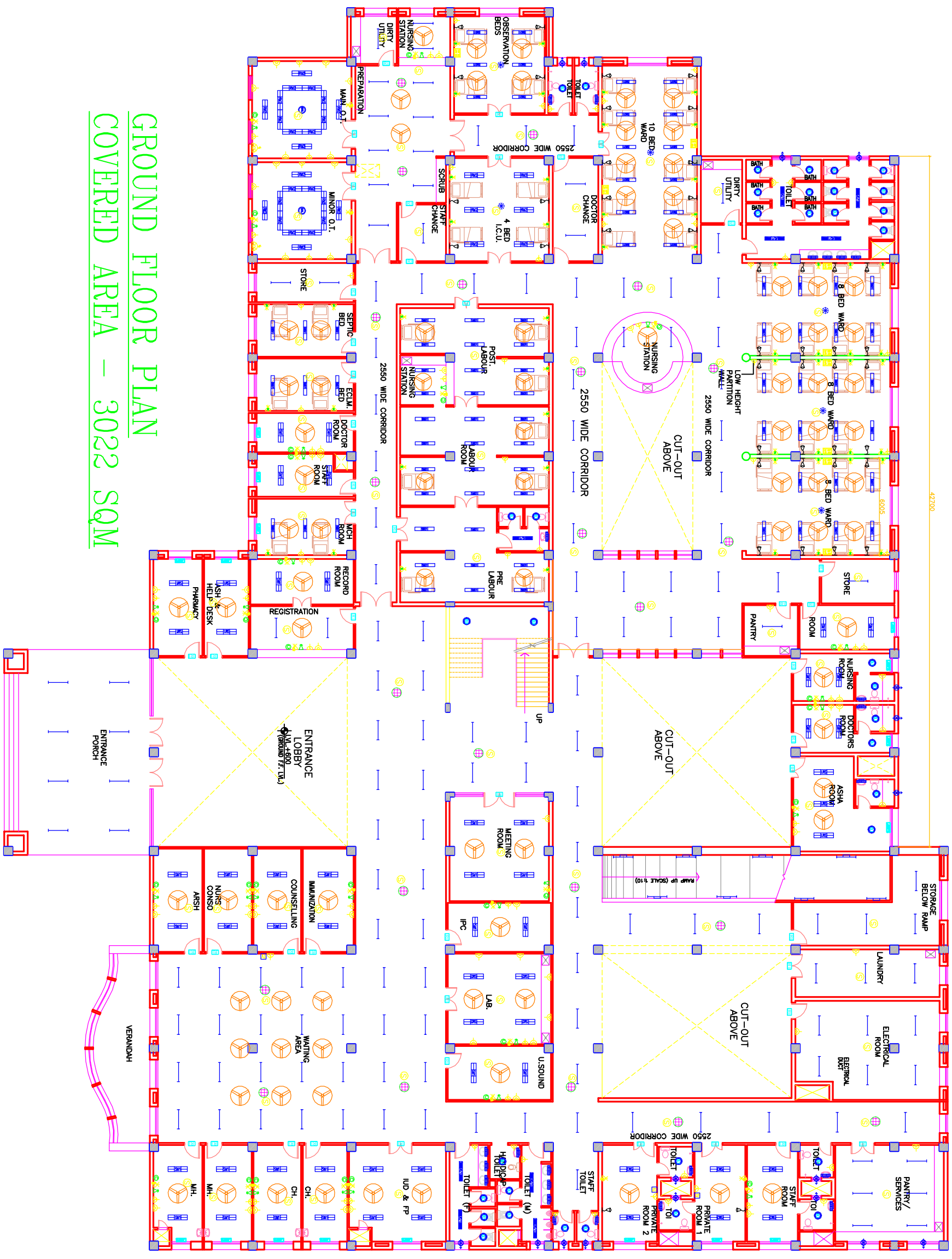
FIRST FLOOR PLAN
COVERED AREA – 2050 SQM



- 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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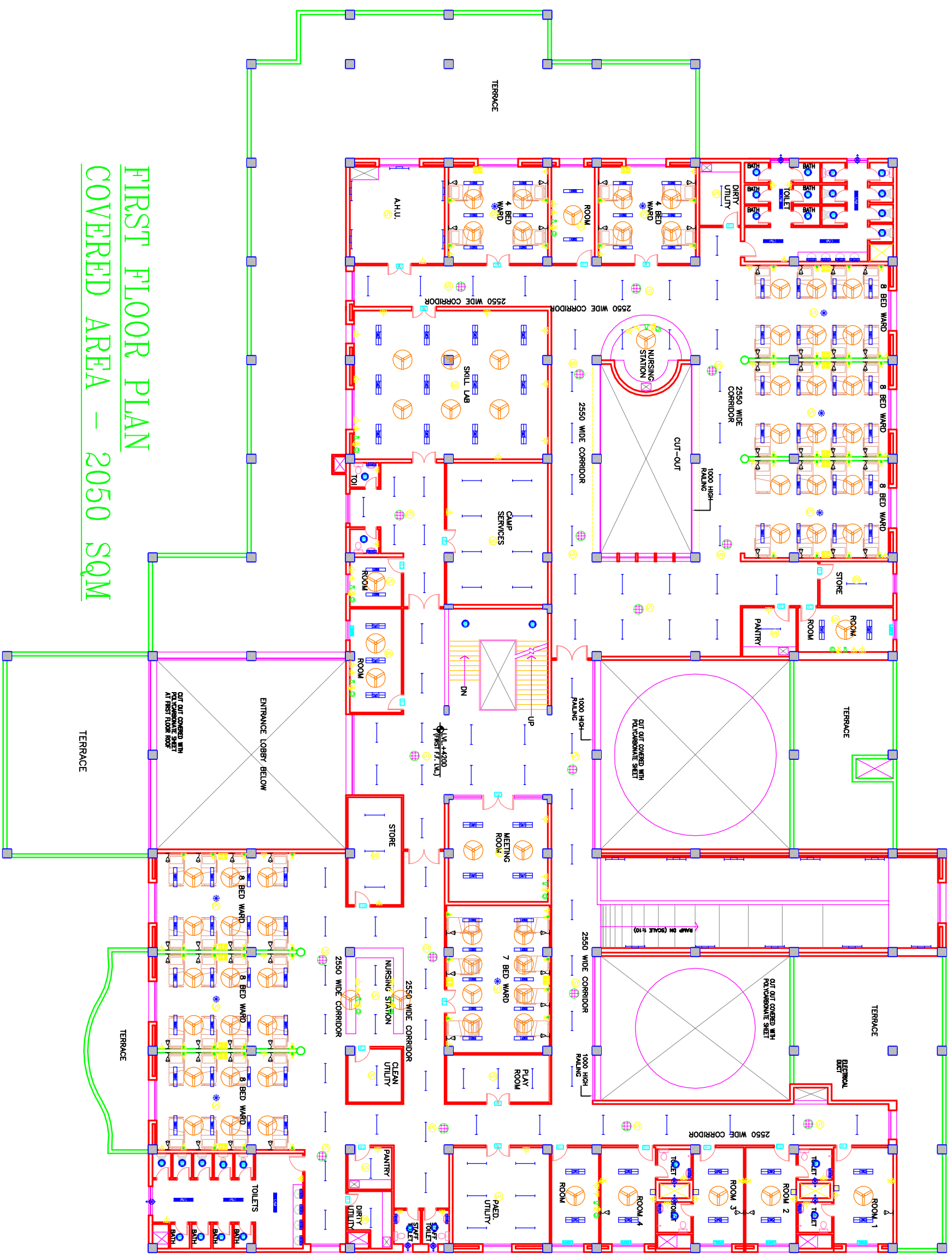


**GROUND FLOOR PLAN
COVERED AREA – 3022 SQM**

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

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NOTES



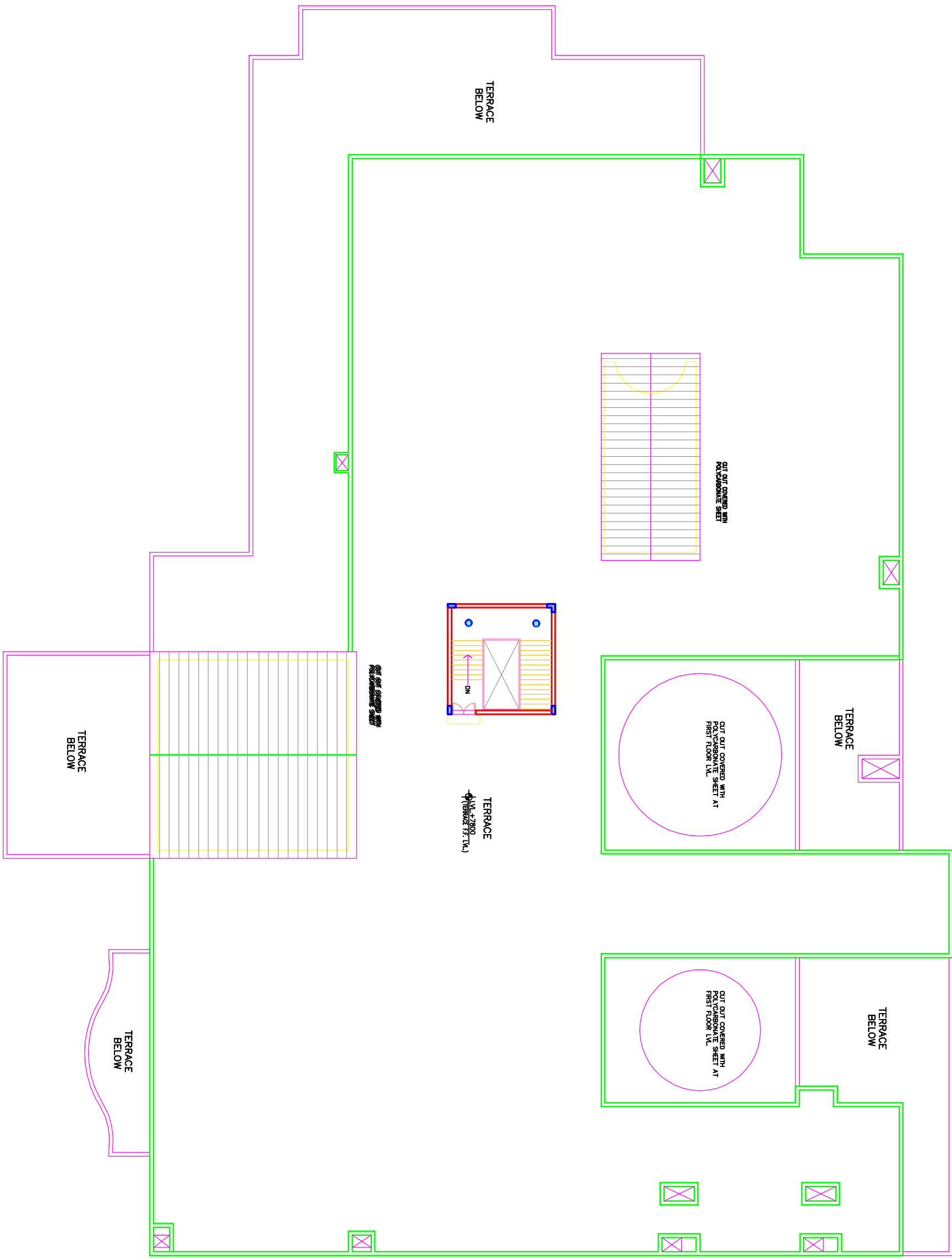
FIRST FLOOR PLAN
COVERED AREA – 2050 SQM

PROJECT		RMNCH PROJECT	
Proposed 100 Bedded Hospital AT CHATTISGARH			
TITLE		MODEL PLANS	
FIRST FLOOR PLAN		ELECTRICAL LAYOUT	
(COVERED AREA=2050 SQ. MT.)		HSCC/D&E/T/D/EL-102	
Drawing No.		R-0	
App No.		Date	
App by		Rev. by	
Prep. by			

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NOTES

<p>PROJECT RMNCH PROJECT Proposed 100 Bedded Hospital AT CHATTISGARH</p>		<p>TITLE MODEL PLANS TERRACE PLAN ELECTRICAL LAYOUT</p>	
<p>REV. DATE DESCRIPTION</p>	<p>REVISION</p>	<p>HSCC/D&E/ID/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>





NOTES

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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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