

**CHHATTISGARH MEDICAL SERVICES CORPORATION
LIMITED,**

(Government of Chhattisgarh)

Tender

For

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

Tender Drawings

VOLUME-VI

APRIL' 2013

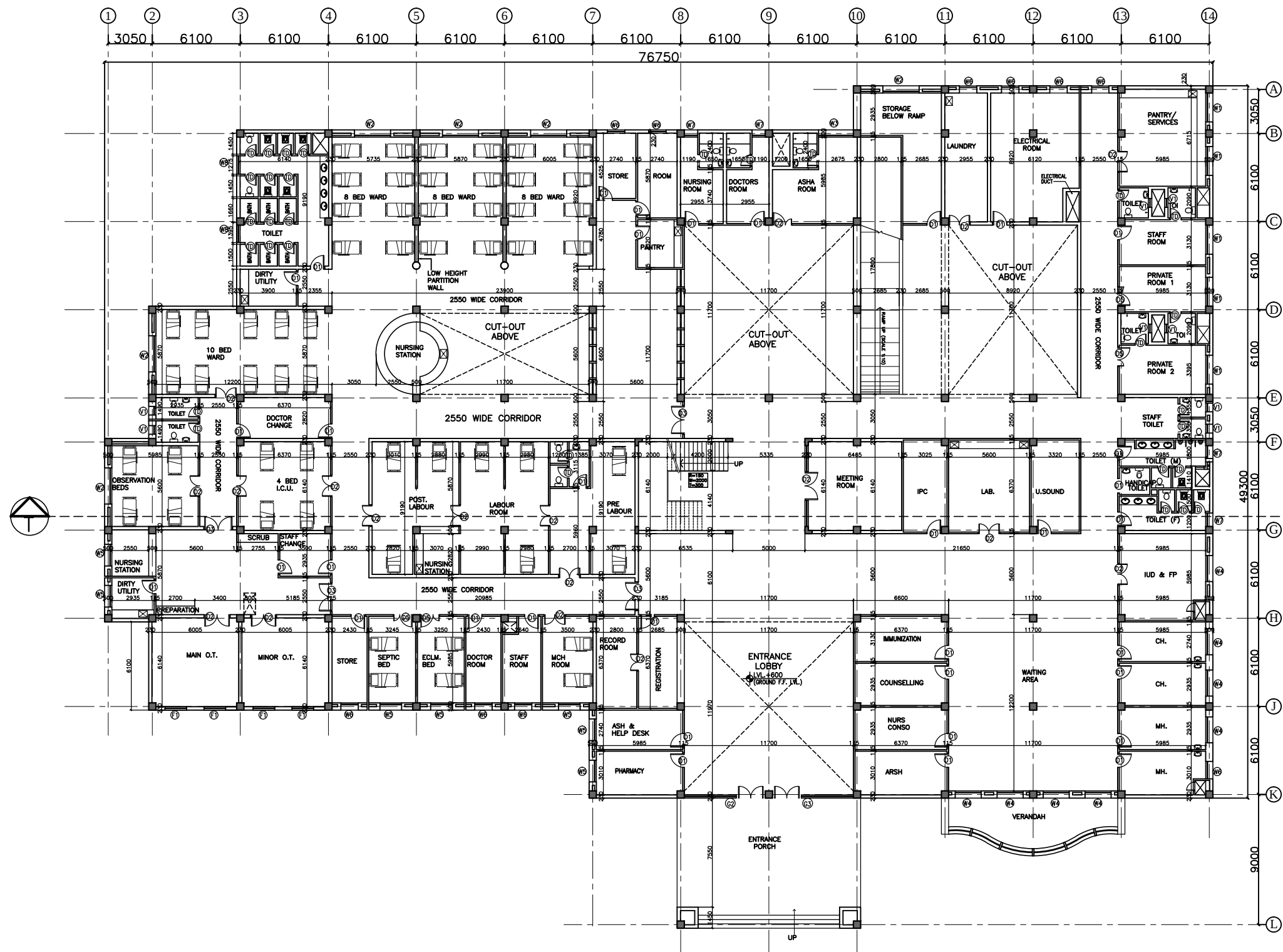


**HSCC (INDIA) LTD.
(CONSULTANTS & ENGINEERS FOR MEGA HOSPITALS & LABORATORIES)
E-6(A), sector-1, NOIDA(U.P) 201301 (India)**

Phone : 0120-2542436-40

Fax : 0120-2542447

Tender No. HSCC/NRHM/CG./2013 /06



DOOR / WINDOW SCHEDULE					
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	G2	5600	00	BEAM BOTTOM	
9	G3	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

PROJECT

RMNCH PROJECT

Proposed
100 Bedded Hospital
at
MUNGELI, CHATTISGARH

TITLE

GROUND
FLOOR PLAN

(COVERED AREA=3022 SQ. MT.)

TENDER DRAWINGS
(ARCHITECTURE)

HSCC/MUNGELI/TD/002

R-0

Drawing No.

Rev.

Job No.

1:300

Scale

01-04-2013

Date

App by

Rev. by

Prep. by

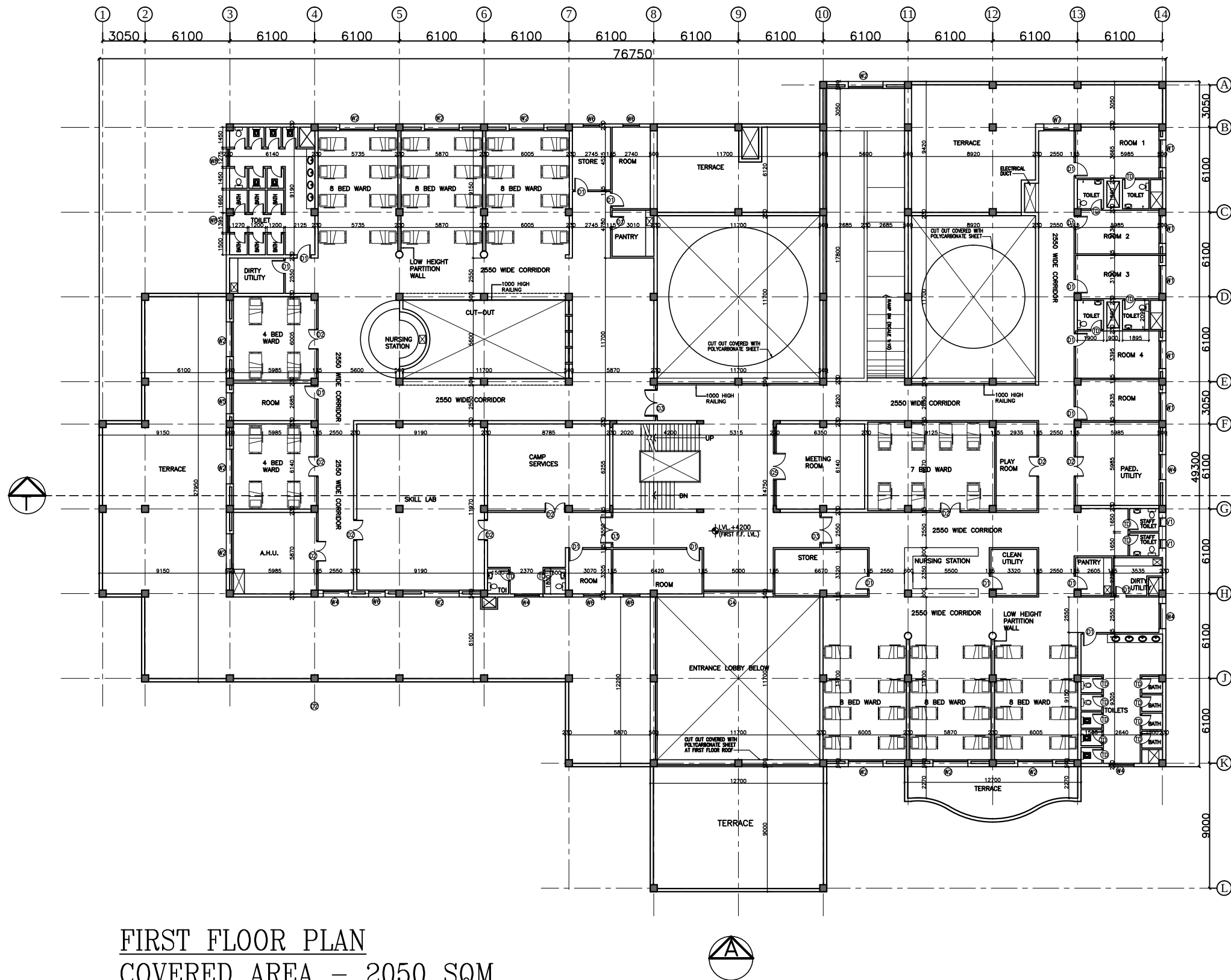
HSCC (INDIA) LIMITED
(A GOVERNMENT OF INDIA ENTERPRISES)

HSCC

NEW DELHI

INDIA

GROUND FLOOR PLAN
COVERED AREA – 3022 SQM



FIRST FLOOR PLAN
COVERED AREA – 2050 SQM

DOOR / WINDOW SCHEDULE				
S.NO.	TYPE	WIDTH	CILL	REMARKS
1	D1	1000	—	2150
2	D2	1500	—	2150
3	D3	2000	—	2150
4	D5	1350	—	2150
5	TD	750	—	2150
6	DW1	5600	00	BEAM BOTTOM
7	G1	4000	00	BEAM BOTTOM
8	G2	5600	00	BEAM BOTTOM
9	G3	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
MUNGELI, CHATTISGARH

TITLE

FIRST
FLOOR PLAN

(COVERED AREA=2050 SQ. MT.)

TENDER DRAWINGS
(ARCHITECTURE)

HSCC/MUNGELI/TD/003
Drawing No.

R-0
Rev.

Job No.

1:300
Scale

01-04-2013
Date

App by

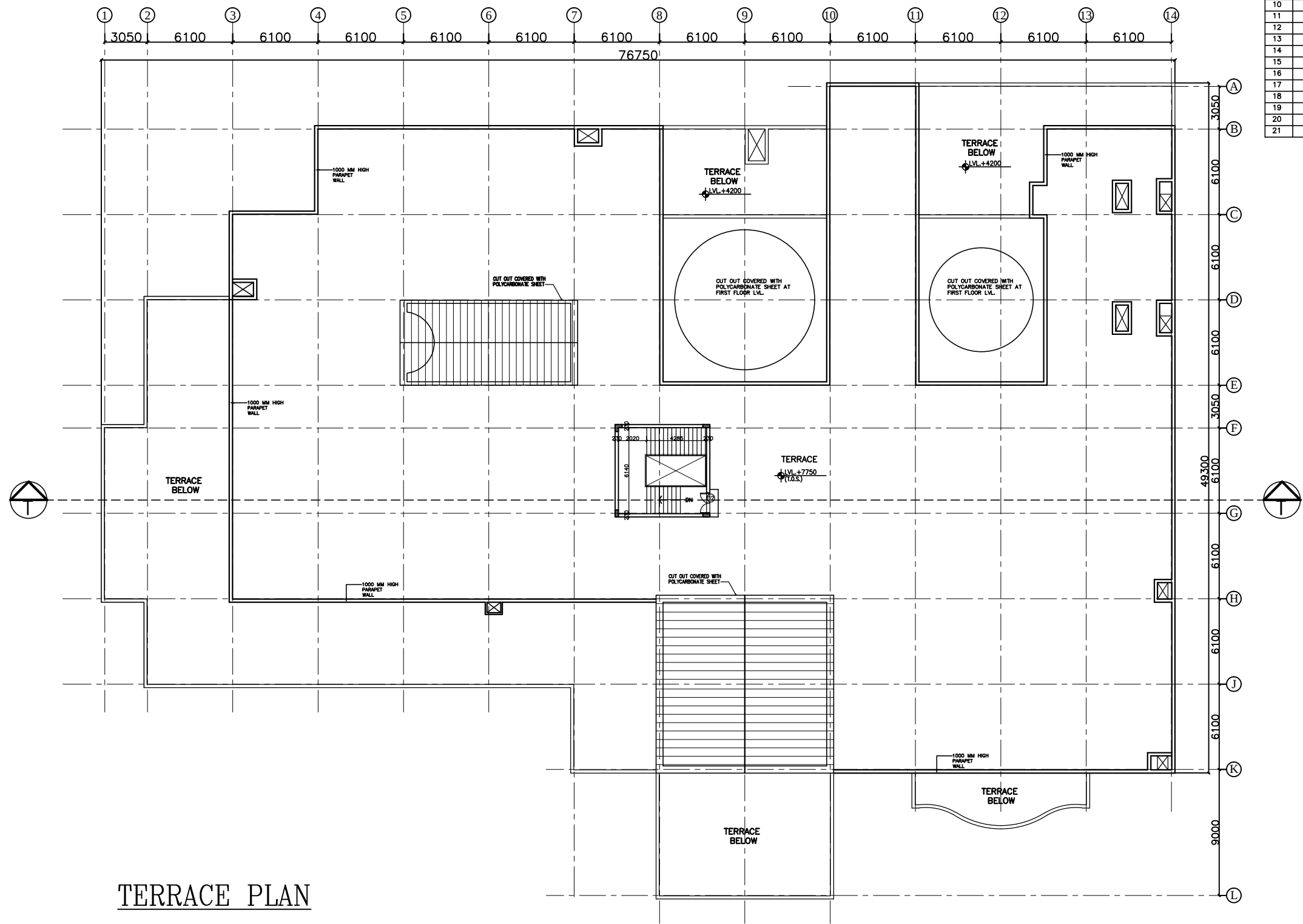
Rev. by

Prep. by

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HSCC

NEW DELHI INDIA



TERRACE PLAN

DOOR / WINDOW SCHEDULE					
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	G2	5600	00	BEAM BOTTOM	
9	G3	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
MUNGELI, CHATTISGARH

TITLE

TERRACE PLAN

TENDER DRAWINGS
(ARCHITECTURE)

HSCC/MUNGELI/TD/004

R-0

Drawing No.

Rev.

Job No.

1:300

01-04-2013

Scale

Date

App by

Rev. by

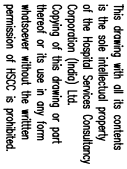
Prep. by

HSCC (INDIA) LIMITED
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HSCC

NEW DELHI

INDIA



NOTES

1. ALL DIMENSIONS ARE IN mm & LVS IN m.
2. READ IN CONJUNCTION WITH RELEANT ARCH. Dwg.
3. FINISHED FLOOR LVL. TO BE AS CONFIRMED AS/ARCH. Dwg. THE SLAB TOP LEVEL TO BE HORIZONTAL & TO SUITLY CORRESPONDING TO FLOOR FINISH THICKNESS.
4. CLEAR COVER OF R/F TO BE AS BELOW:-

FOUNDATION	= 50mm
COLUMN	= 40mm
BEAM	= 30mm
SLAB	= 25mm
5. CONC. WK. TO BE M-25 FOR ALL RCC WORK AS PER IS:456-2000
6. ALL R/F BAYS TO BE Fe₆₀0 Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50xSTRAINER Ø. ALL LAPS TO PLANNED SUITABLY AS PER SITE REQUIREMENT.
8. DEVELOPMENT LENGTH = 50xØBØR Ø.
9. SRC ASSUMED 120 kN/m² AT 2.0 METER BELOW N.G.L.



S.No	M.O.	STRENGTH	THE. (d)	THE. (p)	REMARKS
1	F1	1500x500	200	300	14-EBD
2	F2	1800x1800	250	300	14-EBD
3	F3	2250x2250	250	400	14-EBD
4	F4	2750x2750	250	400	14-EBD
5	F5	3000x3000	300	550	14-EBD
6	F6	3200x3200	300	550	14-EBD
7	F7	3700x3700	300	600	14-EBD
8	F8	2400x4650	-	600	COMBED
9	F23	4000x6250	-	600	COMBED

FOOTING SCHEDULE

FOUNDATION LAYOUT PLAN		
HSCC/RANCH/D&E/ST-T-1001		
Drawing No.	REV. 1	
HSCC/RANCH JOB No.	1:150 SCALE	APRIL-2013 DATE
	REVIEWED	PREPARED
APPROVED		

NEW DELHI

INDIA

FOUNDATION LAYOUT PLAN



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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 Fe500 Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50xSMALLER BAR Ø. SITE REQUIREMENT
8. DEVELOPMENT LENGTH = 50xBAR Ø.

REVISION	
REV	DATE
DESCRIPTION	
1	01.04.13
0	27.02.13

PROJECT

PROPOSED
100 BEDDED HOSPITAL
RMNCH PROJECT,
CHATTISGARH

TITLE

COLUMN LAYOUT PLAN

HSCC/RMNC/DAE/ST-T-1002

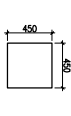
Drawing No. REV. 1

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

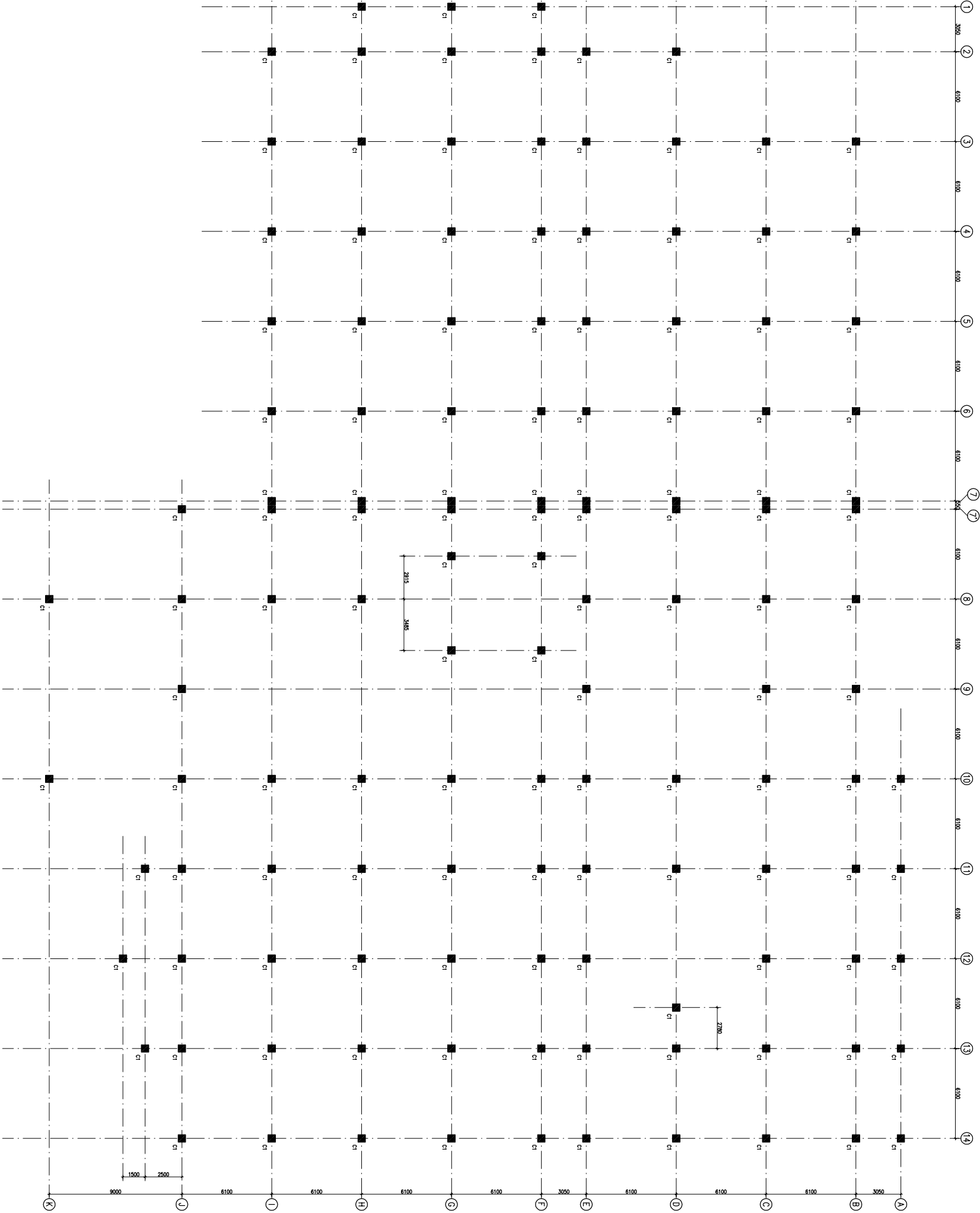
APPROVED	REVIEWED	PREPARED
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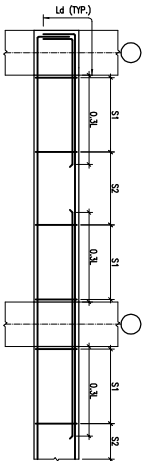
HSCC
NEW DELHI INDIA



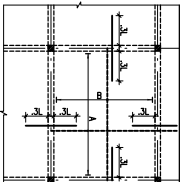
COLUMN MKO. C1



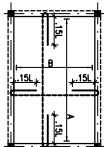
COLUMN LAYOUT PLAN



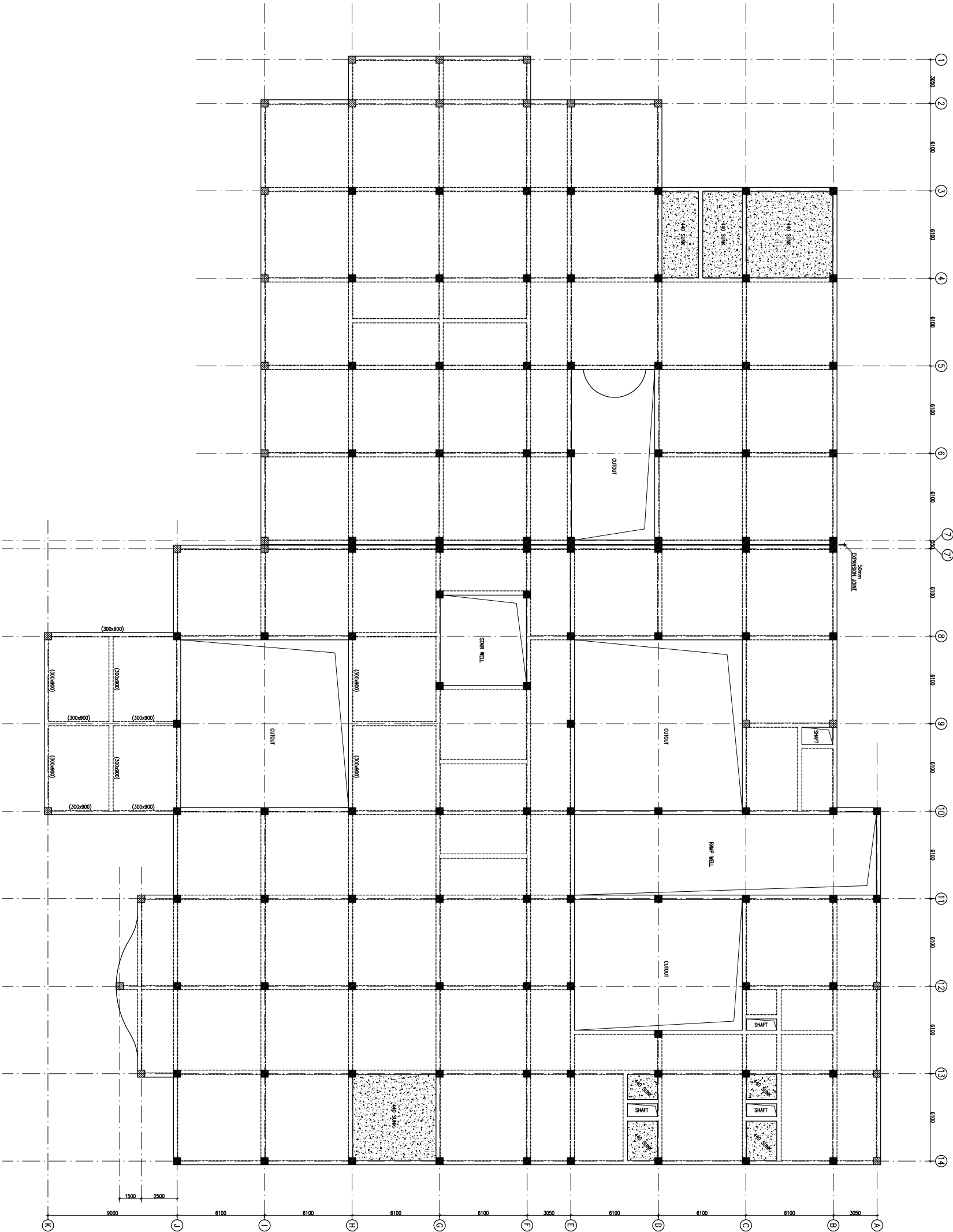
TYP. BEAM R/F DETAILS



TYP. SLAB R/F DETAIL



TYP. SUNKEN SLAB R/F DETAIL



FIRST FLOOR BEAM FRAMING PLAN
(ALL BEAMS SIZE 300x400 UNITS) & (SLAB THICKNESS 160mm UNITS)



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NOTES

1. ALL DIMENSIONS ARE IN mm & LVS 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 Fe500 Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50xSMALLER BAR Ø. SITE REQUIREMENT
8. DEVELOPMENT LENGTH = 50xBAR 4.

REV	DATE	DESCRIPTION
1	01.04.13	OVERALL REISED 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 1:150 SCALE APRIL-2013

JOB No. 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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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 Fe500 Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50xSMALLER BAR Ø. SITE REQUIREMENT
8. DEVELOPMENT LENGTH = 50xBAR Ø.

REV#	DATE	DESCRIPTION
1	01.04.13	OVERALL REISED 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

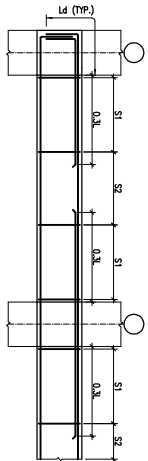
JOB No. DATE

APPROVED	REVIEWED	PREPARED
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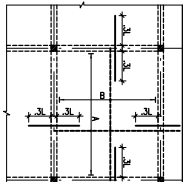
HSCC INDIA LTD.

QA GOVERNMENT OF INDIA ENTERPRISED

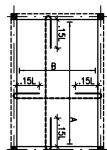
HSCC INDIA
NEW DELHI



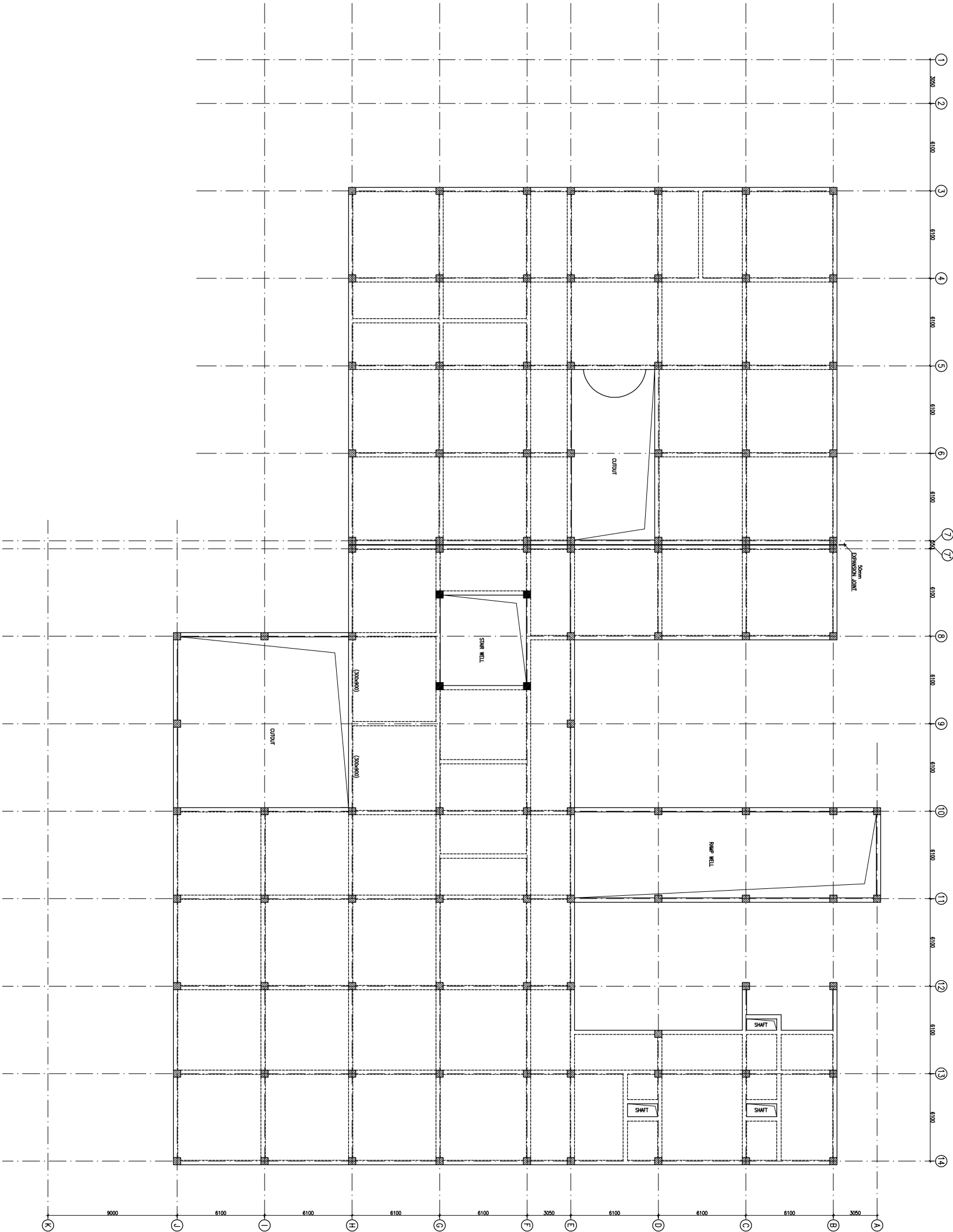
TYP. BEAM R/F DETAILS



TYP. SLAB R/F DETAIL

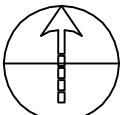


TYP. SUNKEN SLAB R/F DETAIL



TERRACE LVL. BEAM FRAMING PLAN

(ALL BEAMS SIZE 300X600 UNITS) & (SLAB THICKNESS 150mm UNITS)



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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 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
CCP	CLEAN OUT PLUG
✕	VALVE
MH	MANHOLE (900x600)mm
GT	GULLY TRAP(300x300)mm

REVISION	DESCRIPTION

PROJECT

PROPOSED
100 BEDDED HOSPITAL

**RANCH PROJECT,
CHATTISGARH**

TITLE PLUMBING

TENDER DRAWING

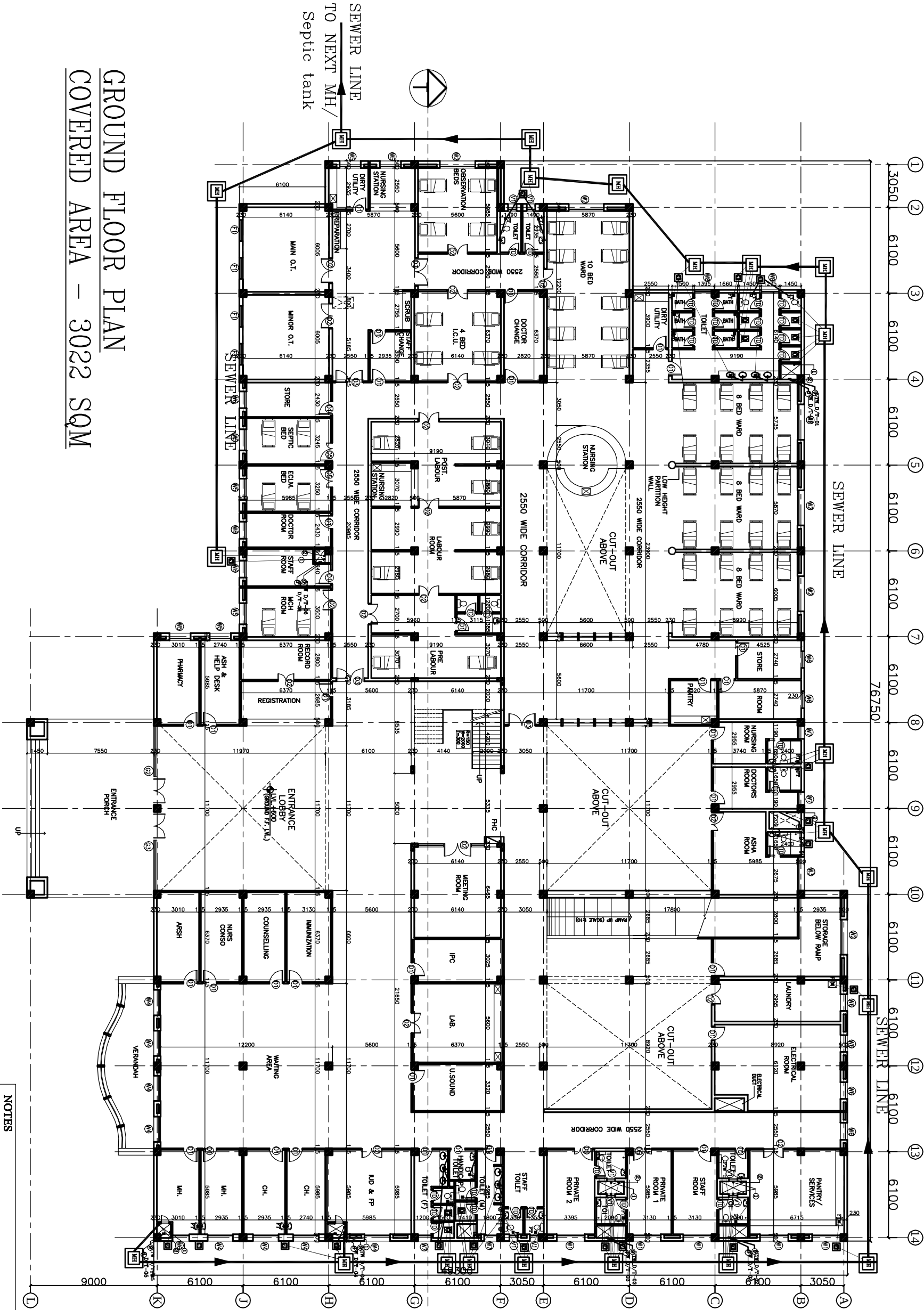
**GROUND
FLOOR PLAN**

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

HSCC (INDIA) LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)
INCORPORATING THE CHANGES AS PER SITE CONDITION FOR THE APPROVAL OF
HSCC BEFORE START OF WORK.

HSCC

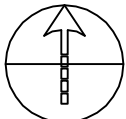
INDIA



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..



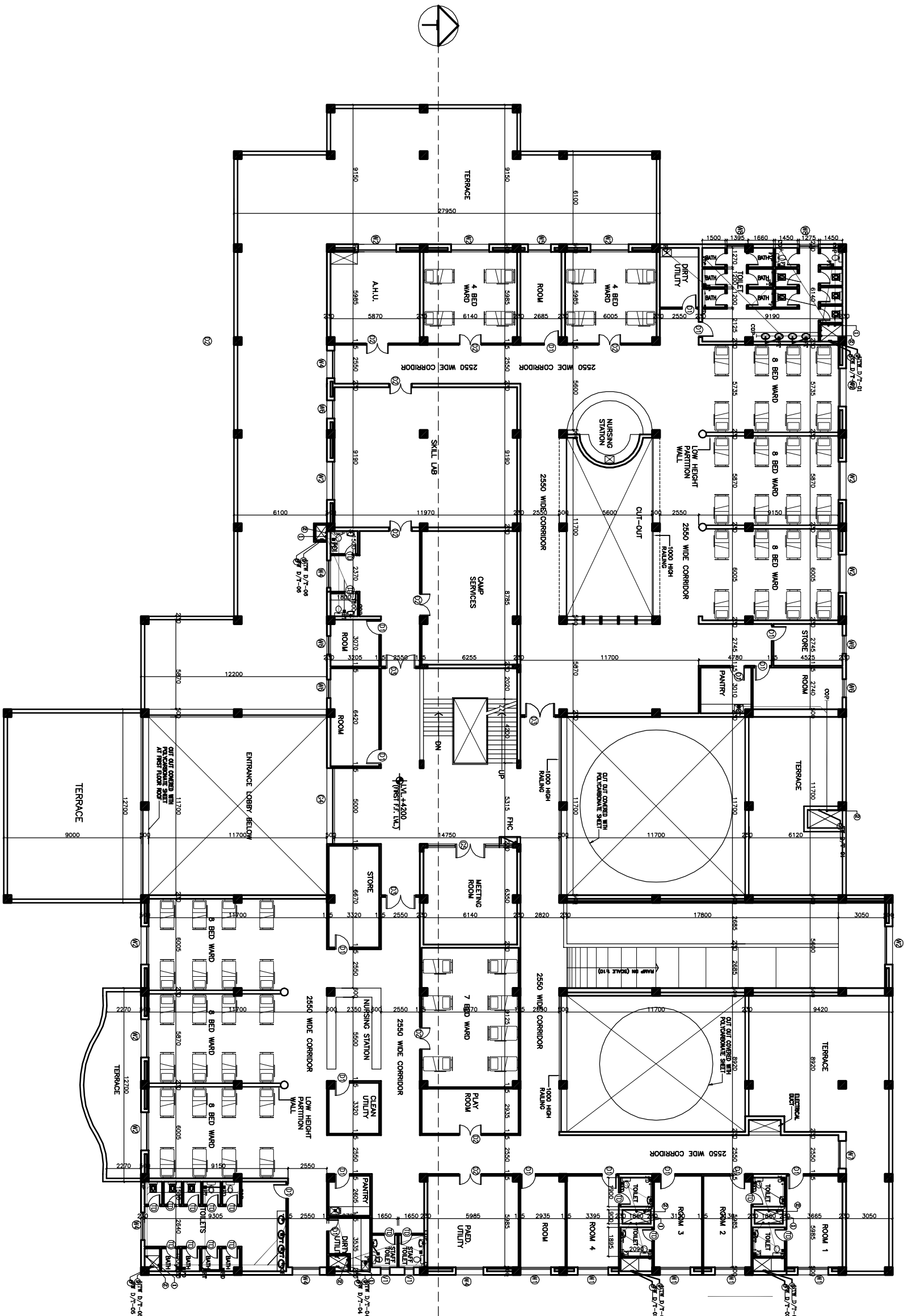
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NOTES

- DRAWINGS TO BE READ NOT MEASURED
- 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 SINK/Urine
7	32Ø GI CPVC WASTE PIPE for W.A.
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
FCO	FLOOR CLEAN OUT
CDP	CLEAN OUT PLUG
✕	VALVE
MH	MANHOLE (900x600)mm
GT	GULLY TRAP(300x300)mm



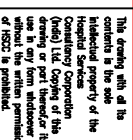
FIRST FLOOR PLAN COVERED AREA – 2050 SQM



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..

HSCC/D&E/TD/RM/NCH/PL-02		Rev
Drawing No.		
Job No.	1:300	05-04-2013
	Scale	Date
RTAGI	RSJR	S.BHATT
App by	Rev. by	Prep. by



- 3 —

END:

	VENT PIPE
	A VENT PIPE
	PIPE
	PIPE
	OIL PIPE
	WASTE PIPE for Urinal, Latrine
	WASTE PIPE FOR W.B.
	SPACE
	SPACE
	WASTE PIPE
	Ø
	JT
	3
	100mm
	330mm
	

[illegible]

HOSPITAL

PROJECT,
GARH

LUMBINI

RAWING

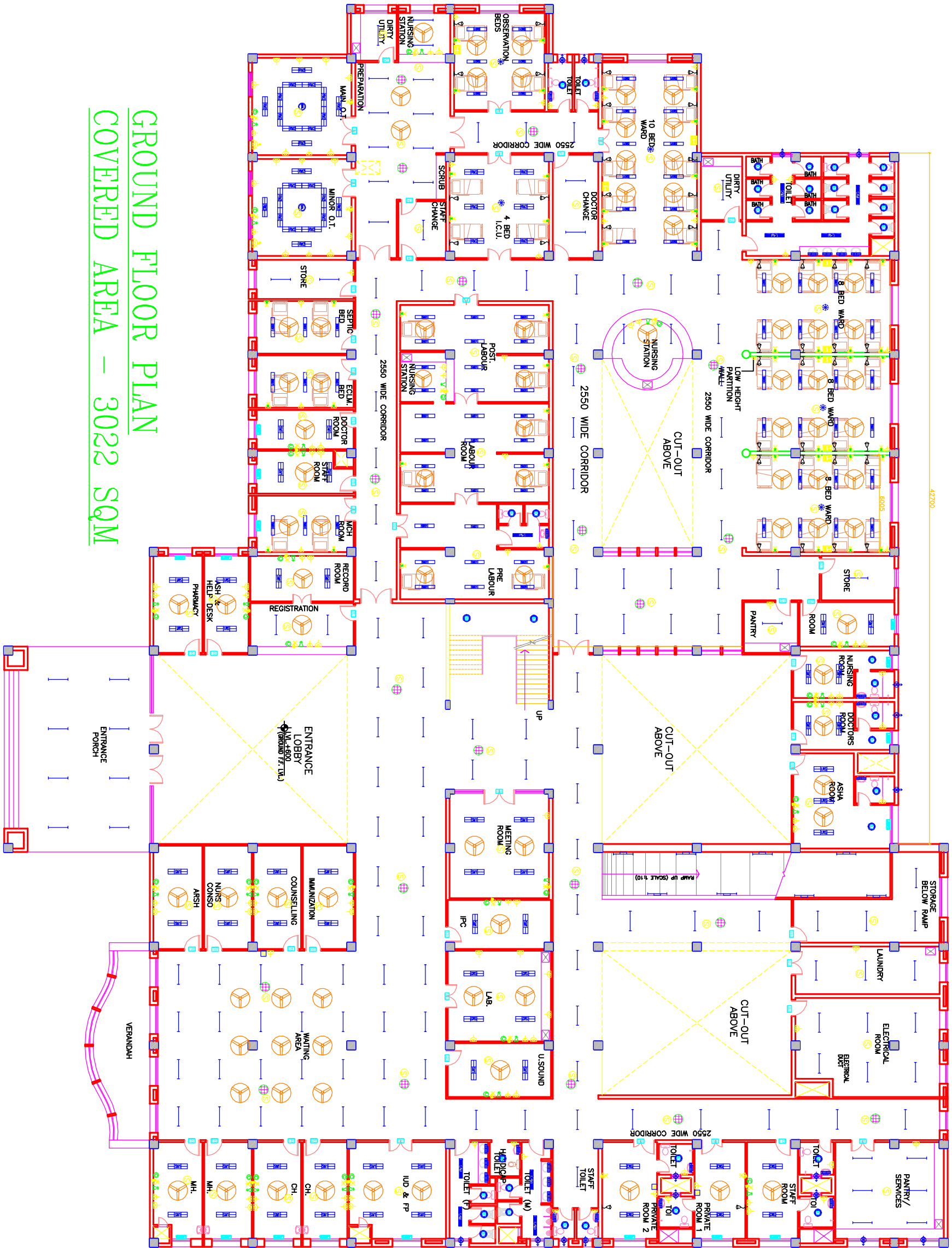
Rev.	05-04-2011	Date
by	SJBHATT	Prep. by

CC
INDIA ENTERPRISES)
INDIA LIMITED

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NOTES

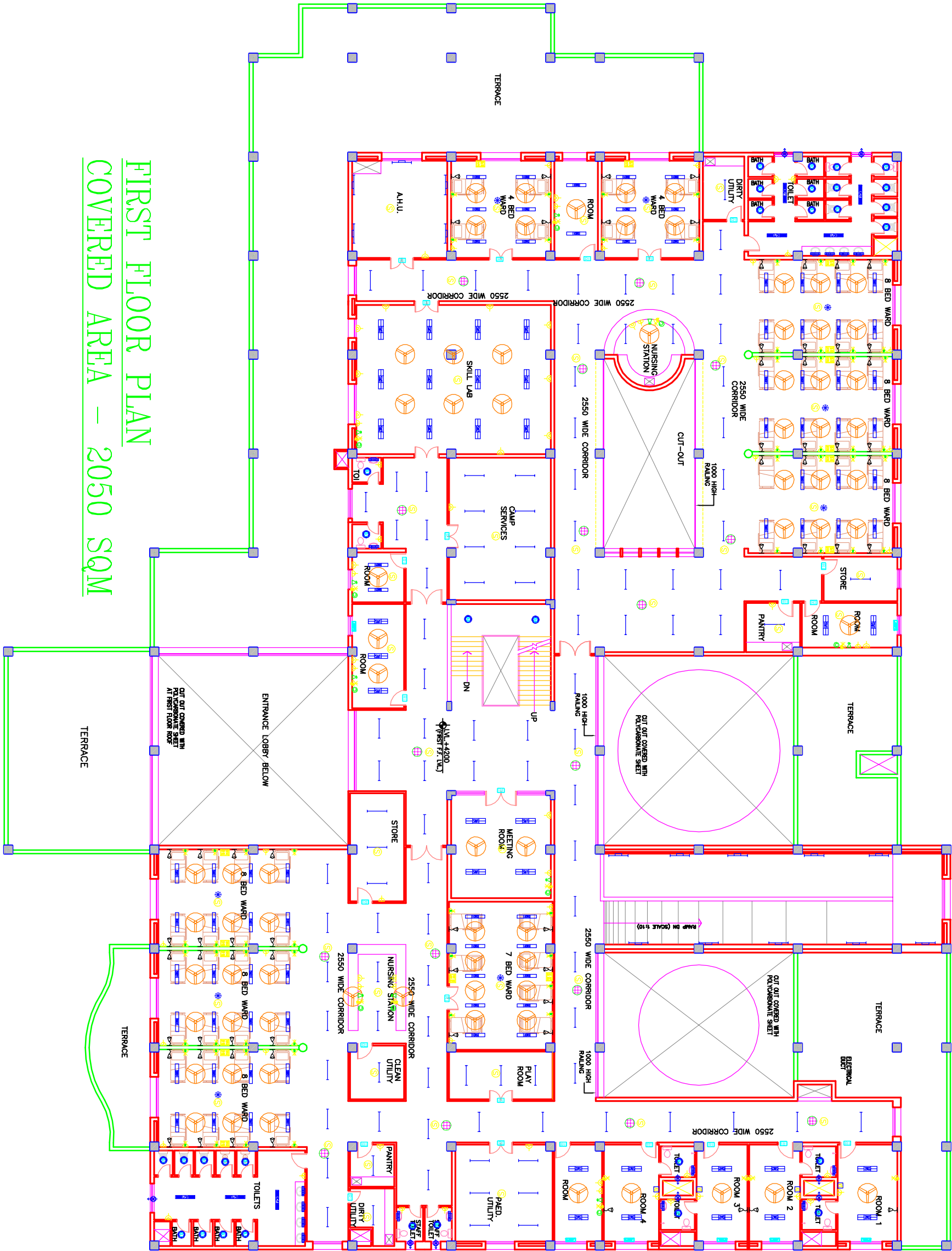
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GROUND FLOOR PLAN
COVERED AREA – 3022 SQM

NOTES

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

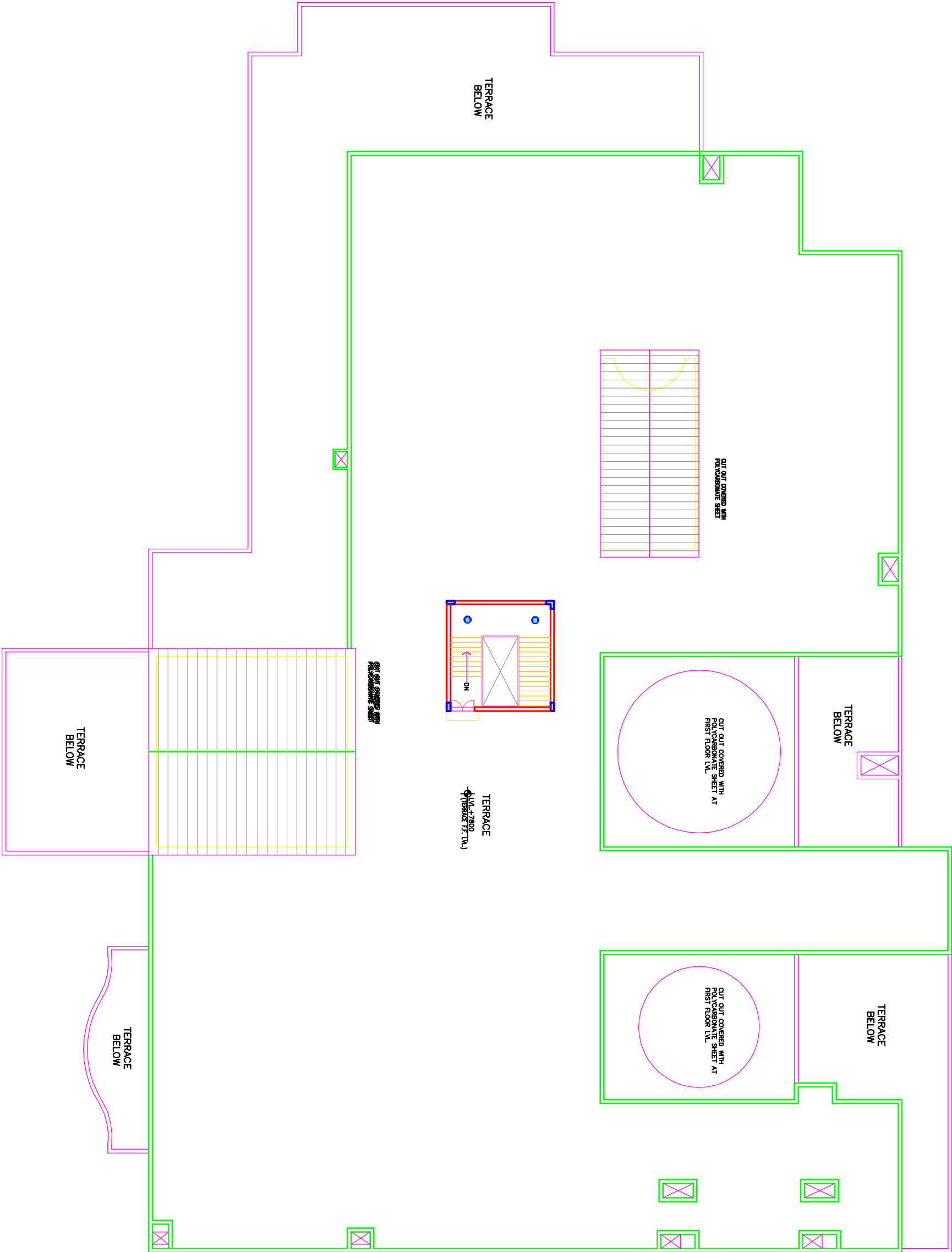


FIRST FLOOR PLAN
COVERED AREA – 2050 SQM

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NOTES

REV	DATE	DESCRIPTION			
REVISION					
PROJECT					
RMNCH PROJECT					
Proposed 100 Bedded Hospital AT CHATTISGARH					
TITLE					
MODEL PLANS					
TERRACE PLAN					
ELECTRICAL LAYOUT					
HSCC/D&E/ID/DEL-103		R-0		Rev.	
Drawing No.					
HSCC/—		NTS		Date	
Job No.		Scale		Date	
App by		Rev. by		Prep. by	



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NOTES

REV	DATE	DESCRIPTION
REVISION		

PROJECT

Proposed
100 Bedded Hospital
At CHHATISGARH

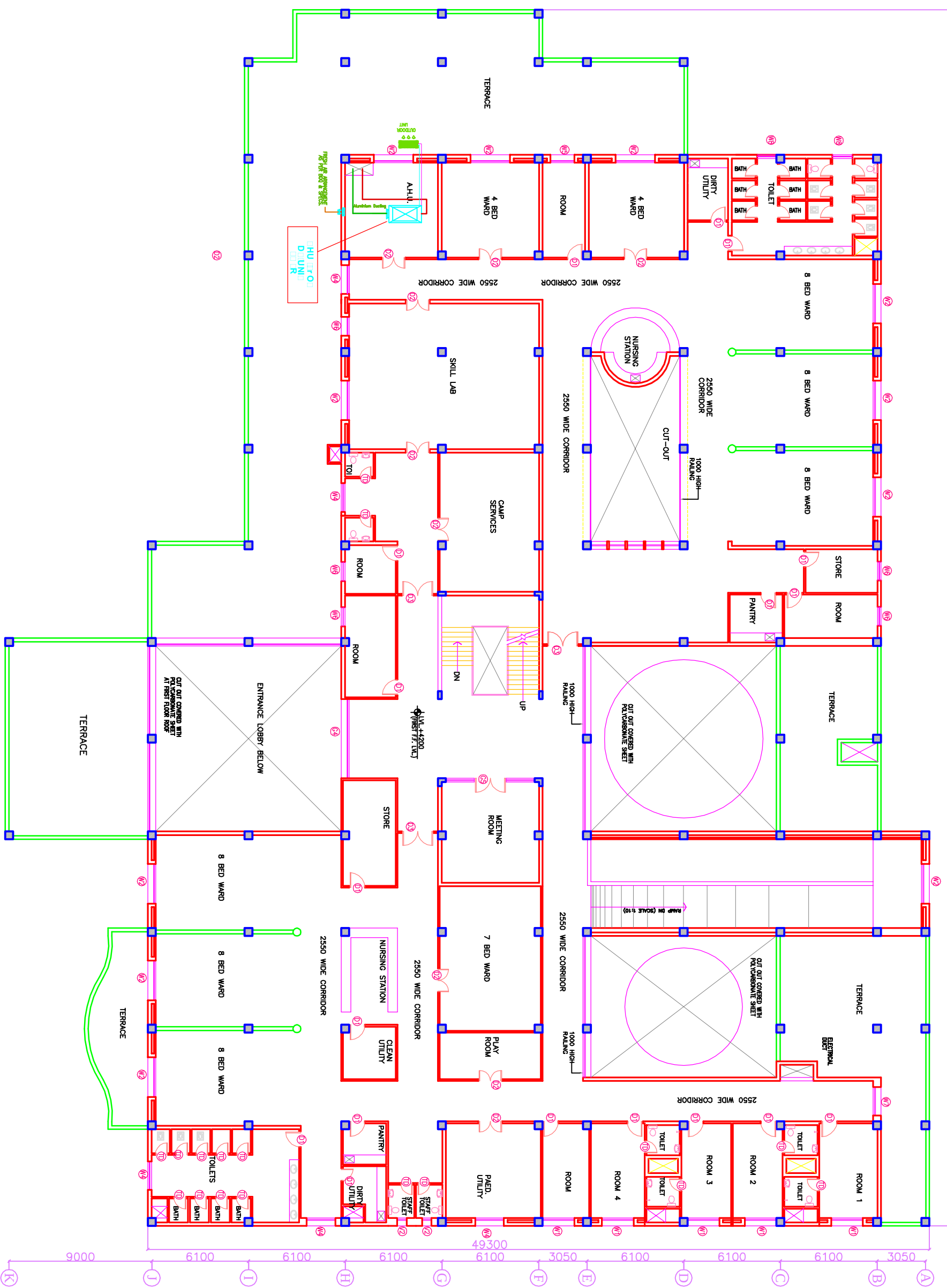
TITLE

TENDER DRAWING
GROUND FLOOR PLAN
HVAC LAYOUT

(COVERED AREA=3022 SQ. MT.)

ESCCD&E/RYAC/NR&H/CGAC-01	R-0	Rev.
Drawing No.		
BSCC/-	1:125	Scale
Job No.	26-03-2013	Date
App by	Rev. by	Prep. by





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