

**CHHATTISGARH MEDICAL SERVICES CORPORATION  
LIMITED**

**(Government of Chhattisgarh)**

**Tender**

**For**

Construction of 50 bedded MCH wing at Gidam (C.G.),  
under National Rural Health Mission scheme

**Tender Drawings**

**VOLUME-VI**

**June' 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 (II) /05**

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NOTES

DOOR AND WINDOW SCHEDULE

S.No	NAME	SIZE	CILL	LINTEL	REMARKS
1	TD	800X2150	000	2150	
2	D1	1000X2150	000	2150	
3	D2	1500X2150	000	2150	DOUBLE SHUTTER
4	D3	2000X2150	000	2150	DOUBLE SHUTTER
5	D4	1350X2150	000	2150	DOUBLE SHUTTER
RS		2760X3000	000	3000	BEAM BOTTOM
G1		8650X3000	0/150	3000	BEAM BOTTOM
G2		5600X3000	0/150	3000	BEAM BOTTOM
W1		5600X2100	900	3000	BEAM BOTTOM
W2		1800X2100	900	3000	
W3		2500X2100	900	3000	
W4		920X2100	900	3000	
W5		1500X2100	900	3000	
W6		1200X2100	900	3000	
F1		1500X2100	900	3000	
V1		600X600	1550	2150	

REV	DATE	DESCRIPTION

**PROJECT**  
 RMNCH PROJECT  
 Proposed 50 Bedded Hospital at CHATTISGARH

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

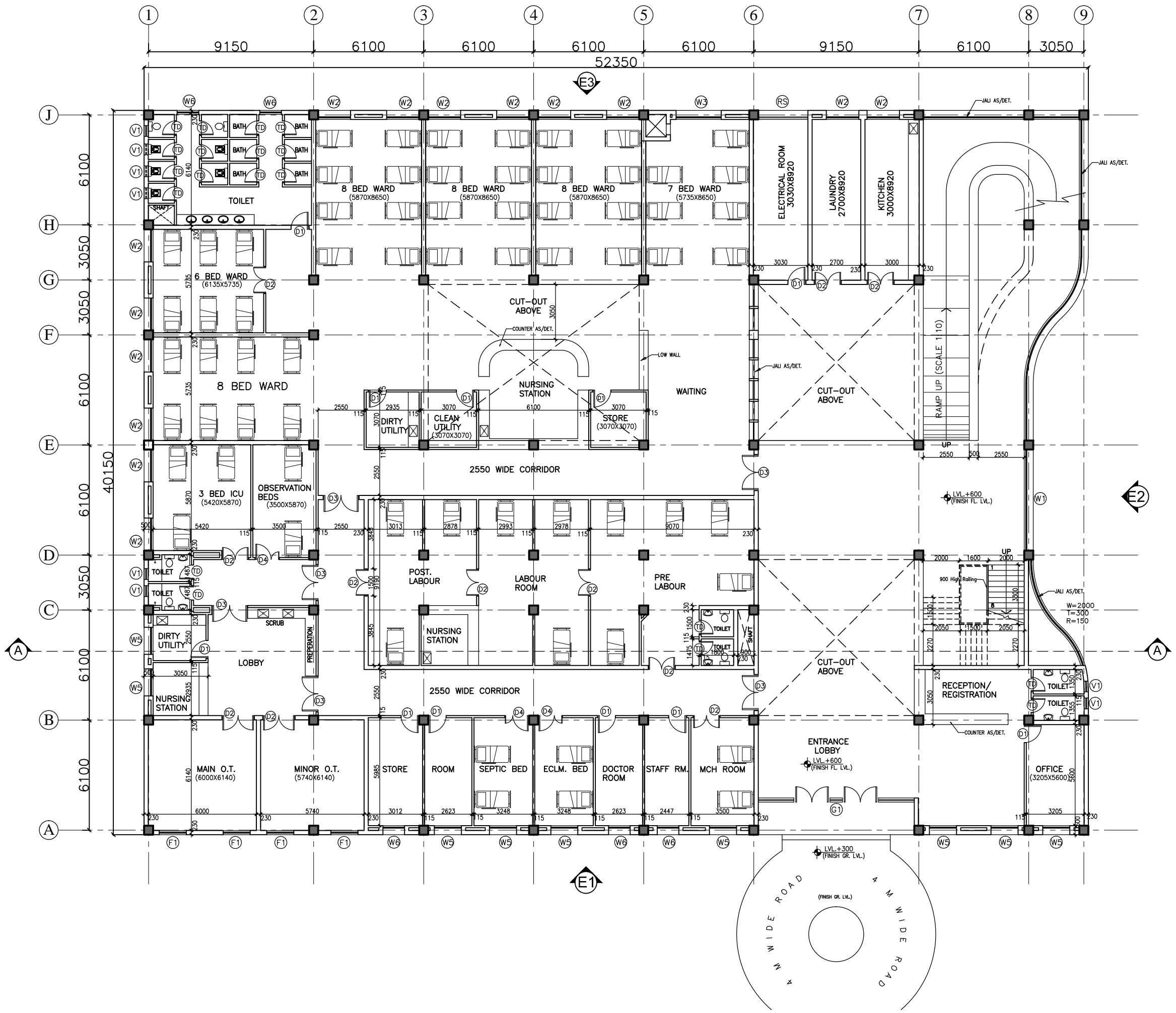
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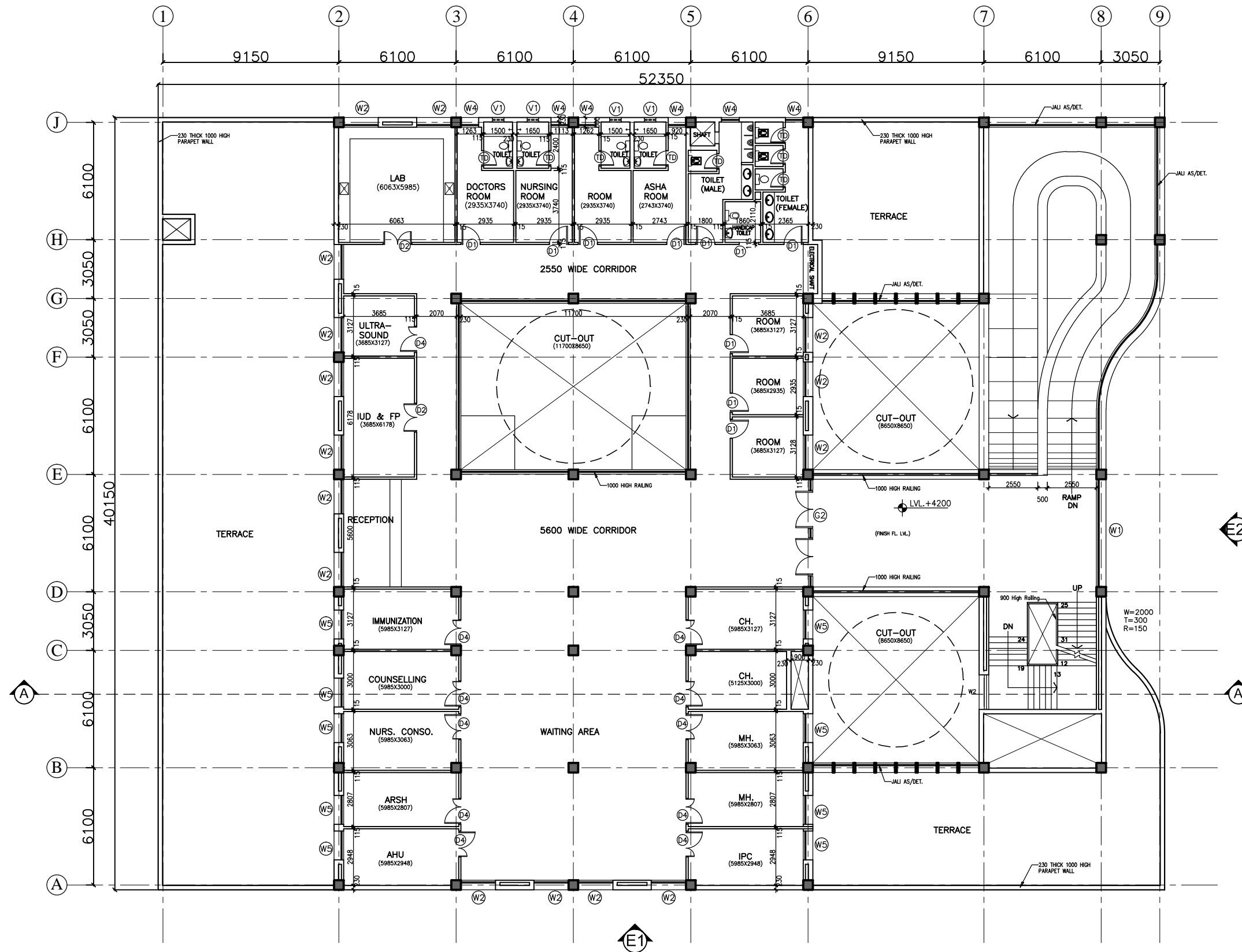
HSCC/CHATTISGARH/TD/002 R-0  
 Drawing No. Rev.

HSCC/- 1:100 01-04-2013  
 Job No. Scale Date

App by Rev. by Prep. by

HSCC (INDIA) LIMITED  
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**HSCC**  
 NEW DELHI INDIA





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NOTES

S.No	NAME	SIZE	CILL	LINTEL	REMARKS
1	D1	800X2150	000	2150	
2	D1	1000X2150	000	2150	
3	D2	1500X2150	000	2150	DOUBLE SHUTTER
4	D3	2000X2150	000	2150	DOUBLE SHUTTER
5	D4	1350X2150	000	2150	DOUBLE SHUTTER
RS		2760X3000	000	3000	BEAM BOTTOM
G1		8650X3000	0/150	3000	BEAM BOTTOM
G2		5600X3000	0/150	3000	BEAM BOTTOM
W1		5600X2100	900	3000	BEAM BOTTOM
W2		1800X2100	900	3000	
W3		2500X2100	900	3000	
W4		920X2100	900	3000	
W5		1500X2100	900	3000	
W6		1200X2100	900	3000	
F1		1500X2100	900	3000	
V1		600X600	1550	2150	

REV	DATE	DESCRIPTION
REVISION		

**PROJECT**  
 RMNCH PROJECT  
 Proposed 50 Bedded Hospital at CHATTISGARH

**TITLE**  
 FIRST FLOOR PLAN  
 (COVERED AREA=1035 SQ. MT.)

**TENDER DRAWING**  
 (ARCH.)

HSCC/CHATTISGARH/TD/003 R-0  
 Drawing No. Rev.

HSCC/- 1:100 01-04-2013  
 Job No. Scale Date

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NOTES

DOOR AND WINDOW SCHEDULE

S.No	NAME	SIZE	CILL	LINTEL	REMARKS
1	TD	800X2150	000	2150	
2	D1	1000X2150	000	2150	
3	D2	1500X2150	000	2150	DOUBLE SHUTTER
4	D3	2000X2150	000	2150	DOUBLE SHUTTER
5	D4	1350X2150	000	2150	DOUBLE SHUTTER
RS	2760X3000	000	3000		BEAM BOTTOM
G1	8650X3000	0/150	3000		BEAM BOTTOM
G2	5600X3000	0/150	3000		BEAM BOTTOM
W1	5600X2100	900	3000		BEAM BOTTOM
W2	1800X2100	900	3000		
W3	2500X2100	900	3000		
W4	920X2100	900	3000		
W5	1500X2100	900	3000		
W6	1200X2100	900	3000		
F1	1500X2100	900	3000		
V1	600X600	1550	2150		

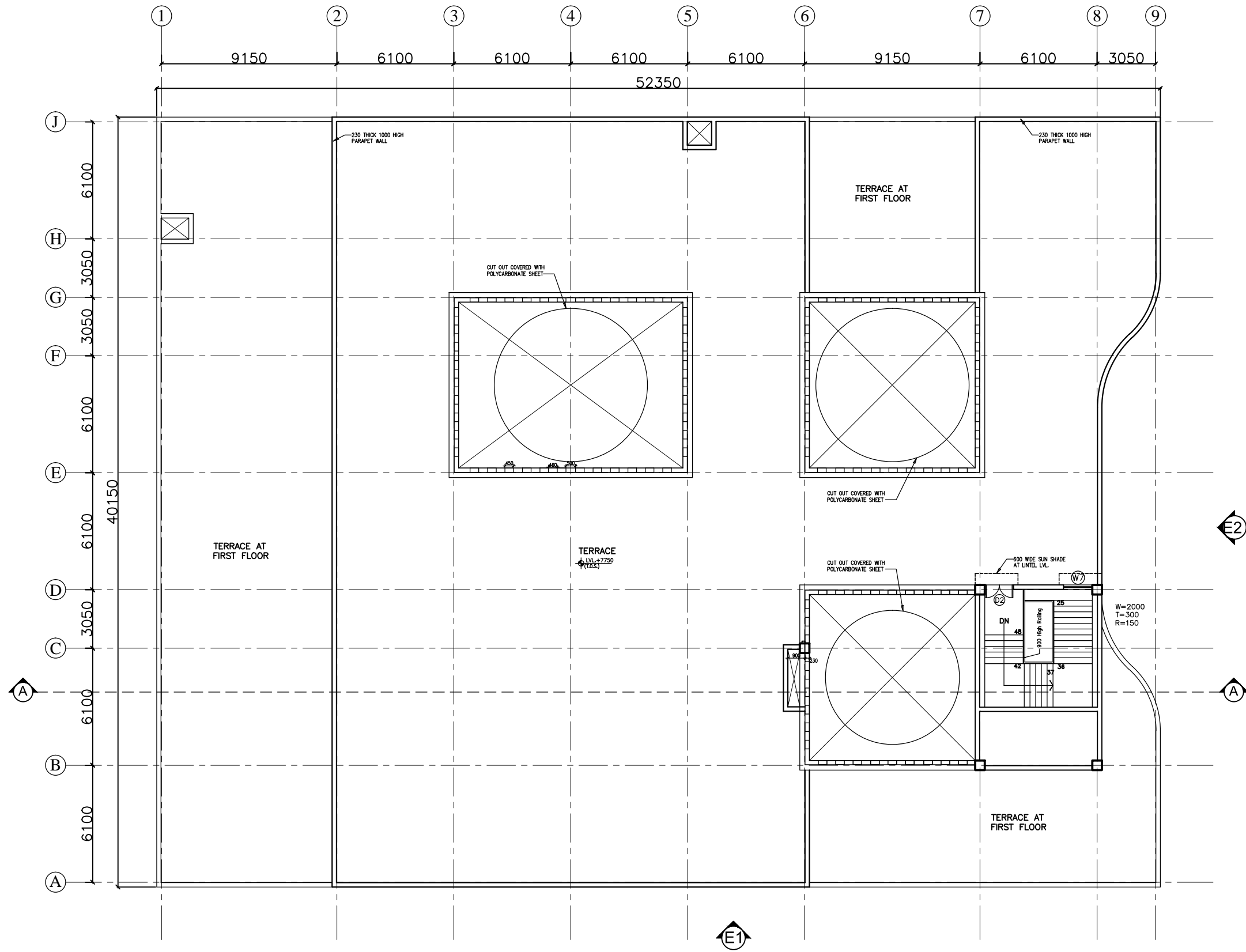
REV	DATE	DESCRIPTION
REVISION		

**PROJECT**  
 RMNCH PROJECT  
 Proposed 50 Bedded Hospital at CHATTISGARH

**TITLE**  
 TERRACE PLAN  
**TENDER DRAWING (ARCH.)**

HSCC/CHATTISGARH/TD/004 R-0  
 Drawing No. Rev.  
 HSCC/- 1:100 01-04-2013  
 Job No. Scale Date  
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NOTES

DOOR AND WINDOW SCHEDULE

S.No	NAME	SIZE	CILL	LINTEL	REMARKS
1	TD	800x2150	000	2150	
2	D1	1000x2150	000	2150	
3	D2	1500x2150	000	2150	DOUBLE SHUTTER
4	D3	2000x2150	000	2150	DOUBLE SHUTTER
5	D4	1350x2150	000	2150	DOUBLE SHUTTER
RS	2760x3000	000	3000		BEAM BOTTOM
G1	8650x3000	0/150	3000		BEAM BOTTOM
G2	5600x3000	0/150	3000		BEAM BOTTOM
W1	5600x2100	900	3000		BEAM BOTTOM
W2	1800x2100	900	3000		
W3	2500x2100	900	3000		
W4	920x2100	900	3000		
W5	1500x2100	900	3000		
W6	1200x2100	900	3000		
F1	1500x2100	900	3000		
V1	600x600	1550	2150		

REV	DATE	DESCRIPTION

**PROJECT**  
 RMNCH PROJECT  
 Proposed  
 50 Bedded Hospital  
 at NAGARI,  
 CHATTISGARH

**TITLE**  
 ELEVATIONS & SECTION

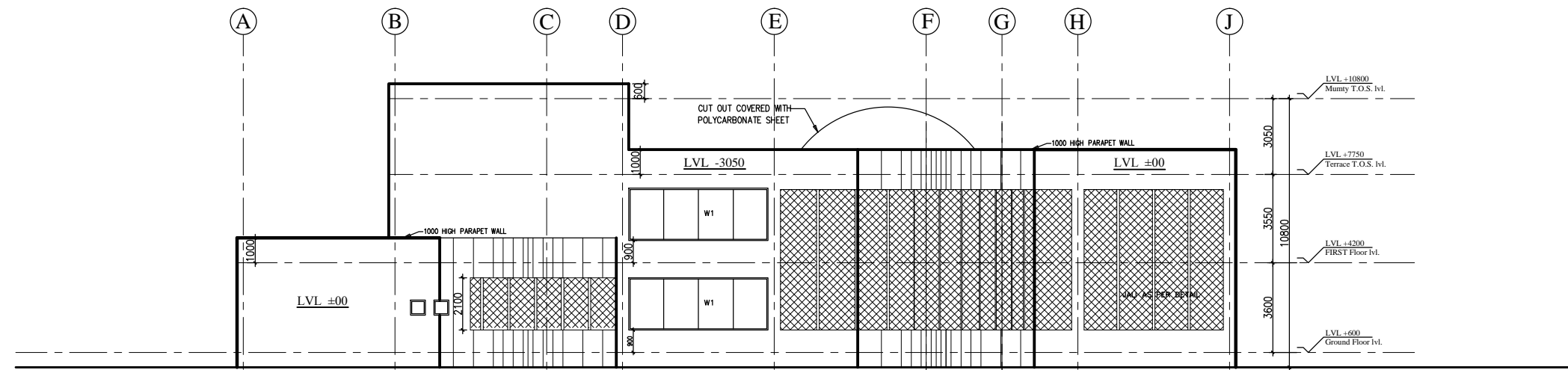
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HSCC/NAGARI/TD/005 R-0  
 Drawing No. Rev.

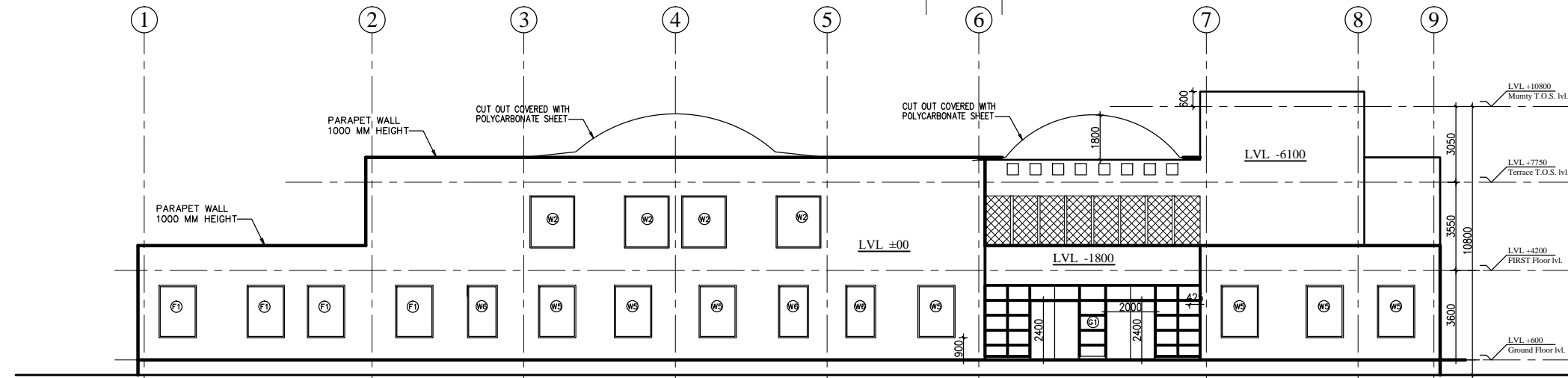
HSCC/- 1:100 12-04-2013  
 Job No. Scale Date

App by Rev. by Prep. by

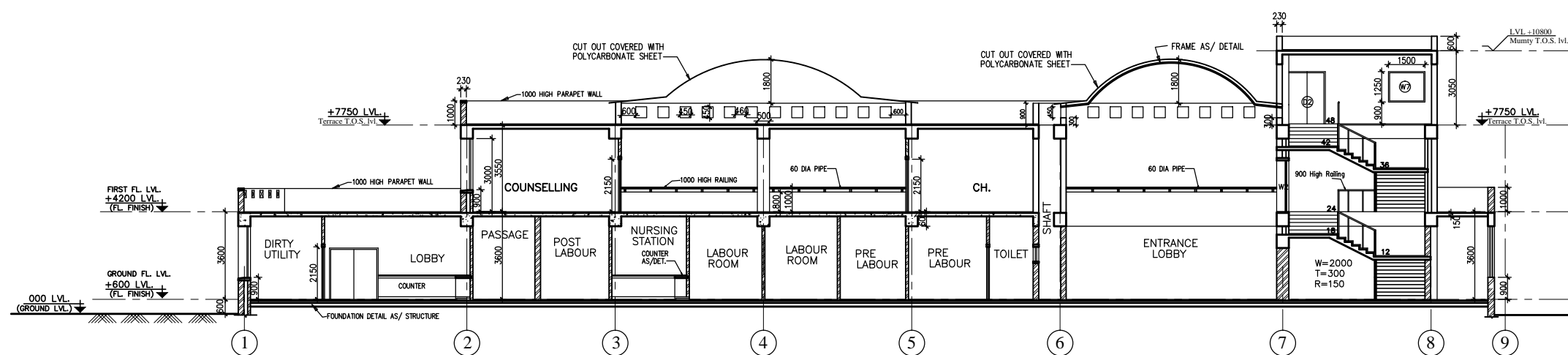
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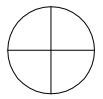
ELEVATION-E2



ELEVATION-E1



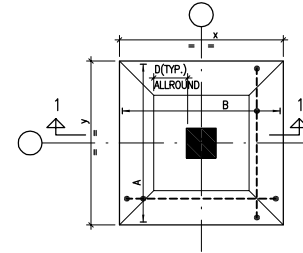
SECTION A-A



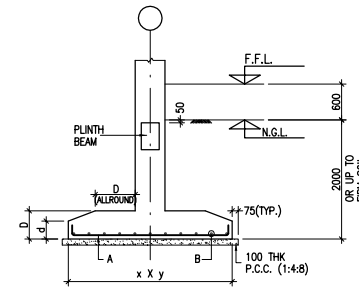
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FOOTING SCHEDULE

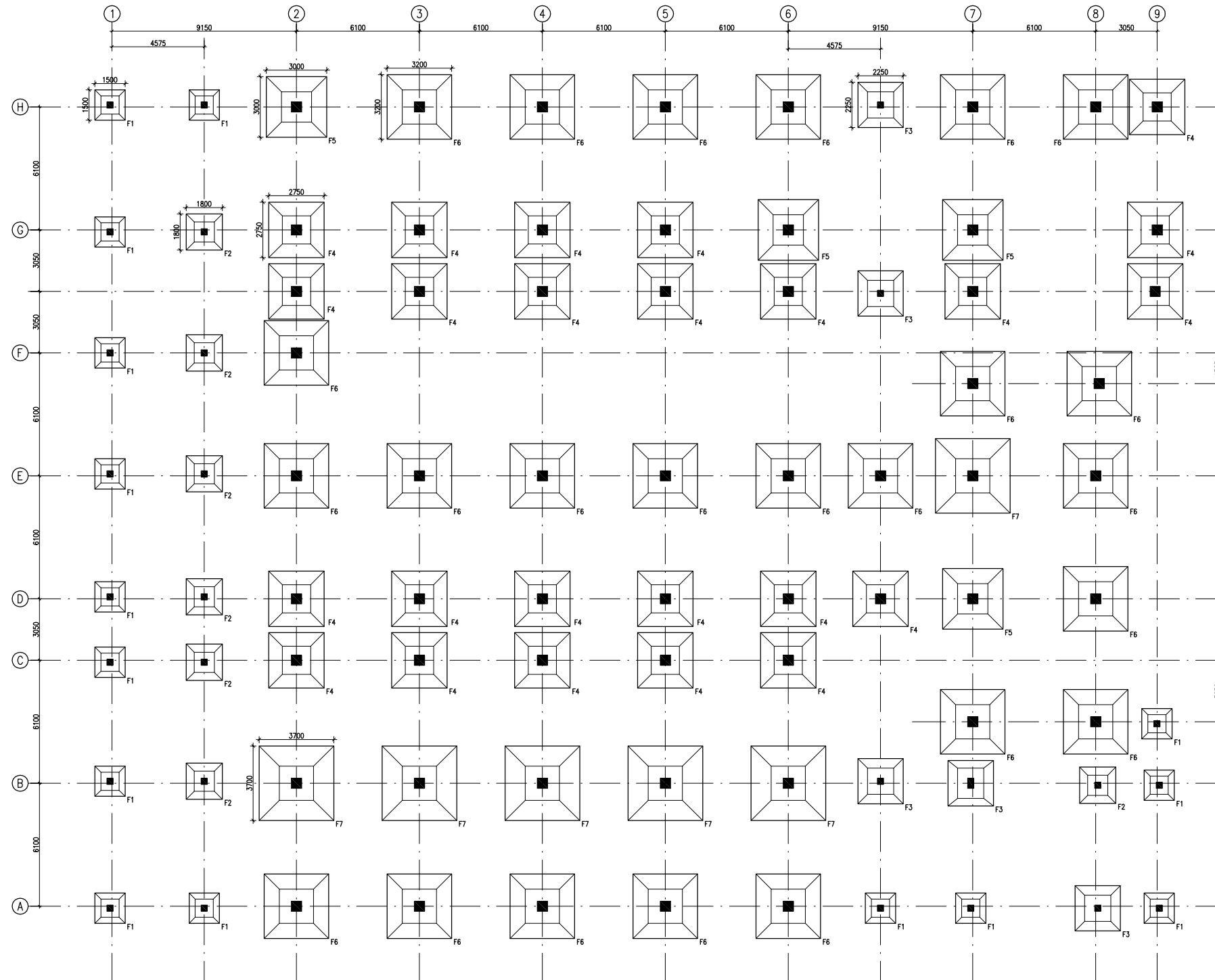
S.No	MKD.	SIZE(x/y)	THK. (d)	THK. (D)	REMARKS
1	F1	1500x1500	200	300	TAPERED
2	F2	1800x1800	250	350	TAPERED
3	F3	2250x2250	250	400	TAPERED
4	F4	2750x2750	250	450	TAPERED
5	F5	3000x3000	300	500	TAPERED
6	F6	3200x3200	300	550	TAPERED
7	F7	3700x3700	300	600	TAPERED



TYPICAL DETAIL OF TAPERED FOOTING



SECTION 1-1



FOUNDATION LAYOUT PLAN

NOTES

- ALL DIMENSIONS ARE IN mm & LVLS IN m.
- READ IN CONJUNCTION WITH RELEVANT ARCH. DRG.
- FINISHED FLOOR LVL TO BE CONFIRMED AS/ARCH. DRGS, THE SLAB TOP LEVEL TO BE WORKED OUT SUITABLY CONSIDERING FLOOR FINISH THICKNESS.
- CLEAR COVER OF R/F TO BE AS BELOW:-  
 FOUNDATION = 50mm  
 COLUMN = 40mm  
 BEAM = 30mm  
 SLAB = 25mm
- CONC. MIX. TO BE M-25 FOR ALL RCC WORK AS PER IS:456-2000
- ALL R/F BARS TO BE Fe500 Mpa. HYSD OR TMT STEEL AS PER IS:1786.
- ALL LAP LENGTHS = 50xSMALLER BAR  $\phi$ . ALL LAPS TO PLANNED SUITABLY AS PER SITE REQUIREMENT.
- DEVELOPMENT LENGTH = 50xBAR  $\phi$ .
- SBC ASSUMED 120 kN/M<sup>2</sup> AT 2.0 METER BELOW N.G.L.

REV	DATE	DESCRIPTION
1	08.04.13	OVERALL REVISED AS PER ARCH.
0	27.02.13	FOR TENDER

REVISION

PROJECT

PROPOSED  
50 BEDDED HOSPITAL  
RMNCH PROJECT,

CHATTISGARH

TITLE

FOUNDATION LAYOUT PLAN

HSCC/RMNCH/D&E/ST-T-101

Drawing No. REV. 1

HSCC/RMNCH JOB No. 1:125 SCALE FEB.-2013 DATE

APPROVED REVIEWED PREPARED

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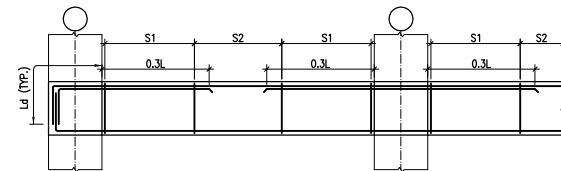
**HSCC**  
NEW DELHI INDIA



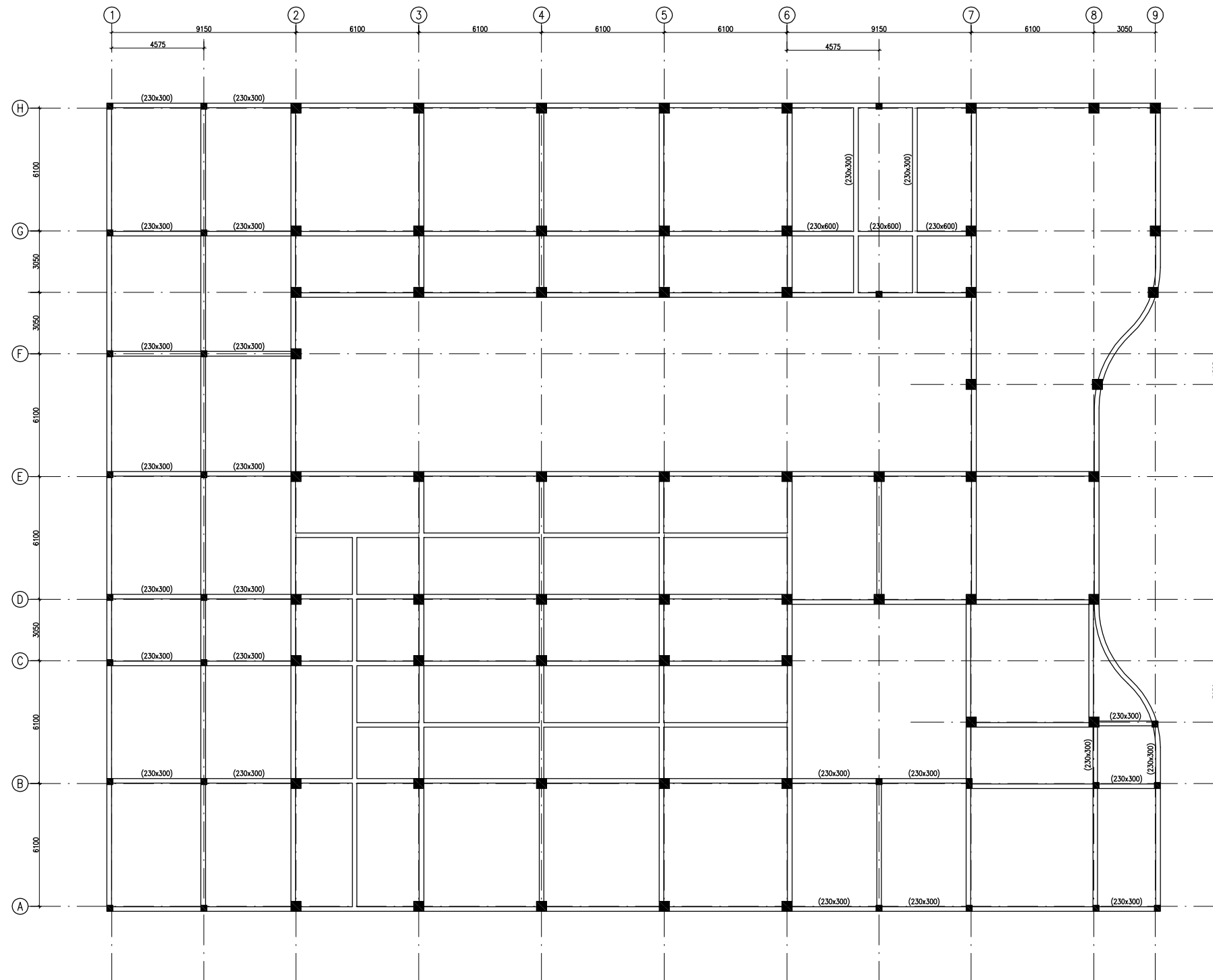
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**NOTES**

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 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  $\phi$ . ALL LAPS TO PLANNED SUITABLY AS PER SITE REQUIREMENT.
8. DEVELOPEMENT LENGTH = 50xBAR  $\phi$ .



TYP. BEAM R/F DETAILS



PLINTH BEAM FRAMING PLAN  
(ALL BEAMS SIZE 230x450 UN.O.)

**REVISION**

**PROJECT**

PROPOSED  
50 BEDDED HOSPITAL  
RMNCH PROJECT,  
CHATTISGARH

**TITLE**

PLINTH BEAM FRAMING PLAN

HSCC/RMNCH/D&E/ST-T-103

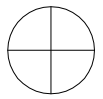
Drawing No. REV. 1

HSCC/RMNCH JOB No.	1:125 SCALE	FEB-2013 DATE
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APPROVED	REVIEWED	PREPARED
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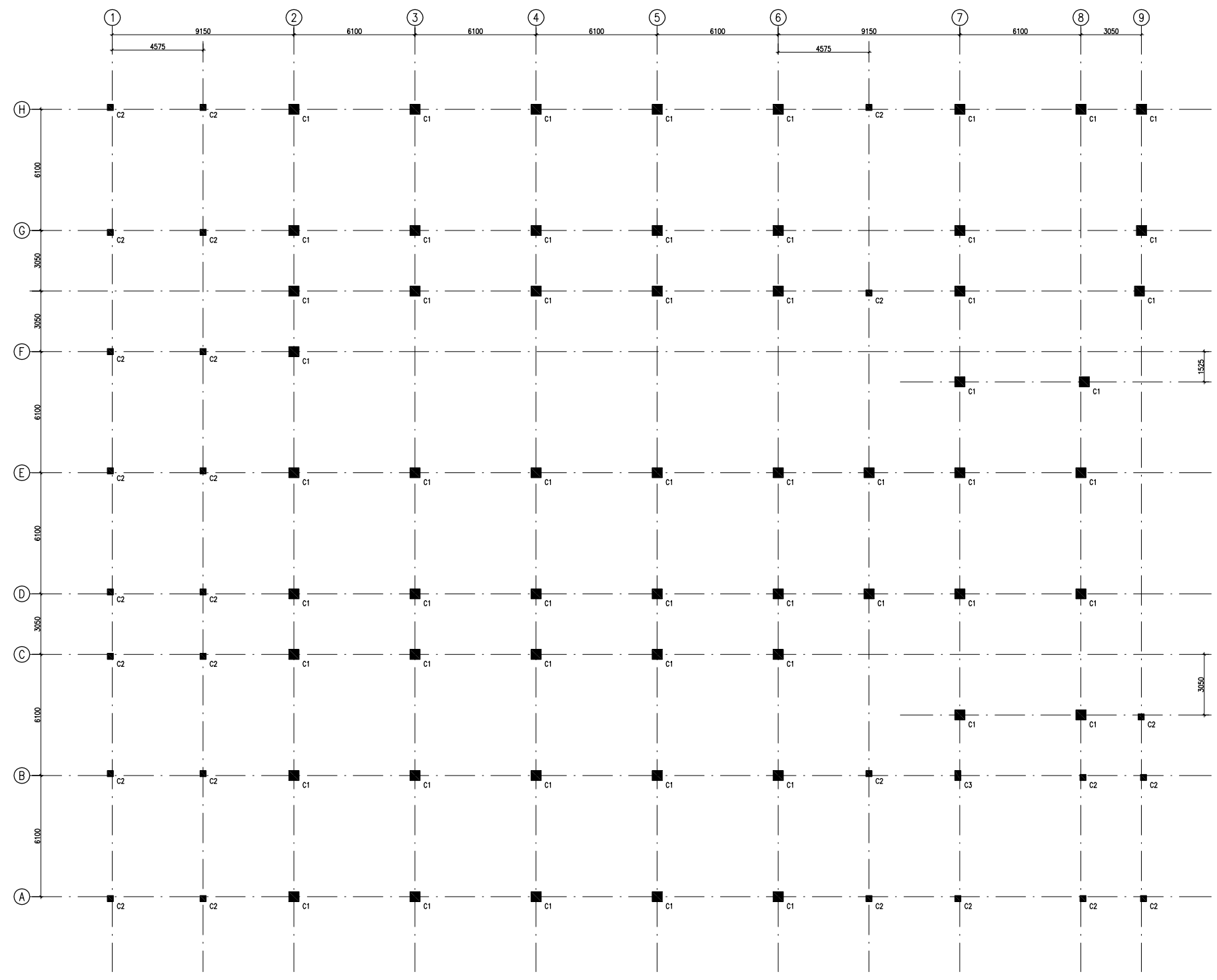
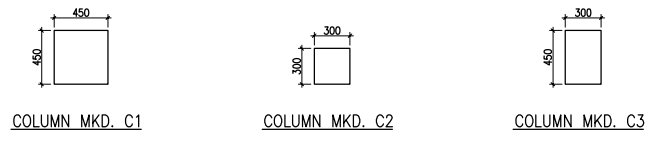
**HSCC**  
NEW DELHI INDIA



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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 Fe500 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. DEVELOPEMENT LENGTH = 50xBAR  $\phi$ .



COLUMN LAYOUT PLAN

REV	DATE	DESCRIPTION
1	08.04.13	OVERALL REVISED AS PER ARCH.
0	27.02.13	FOR TENDER

**REVISION**

**PROJECT**

PROPOSED  
50 BEDDED HOSPITAL  
RMNCH PROJECT,  
  
CHATTISGARH

**TITLE**

COLUMN LAYOUT PLAN

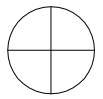
HSCC/RMNCH/D&E/ST-T-102

Drawing No.	REV. 1
HSCC/RMNCH JOB No.	1:125 SCALE
FEB.-2013 DATE	
APPROVED	REVIEWED
	PREPARED

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NEW DELHI INDIA

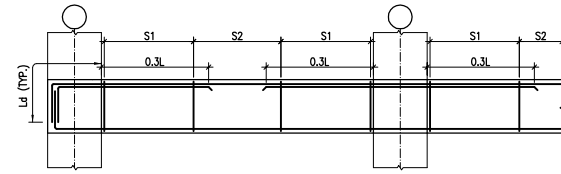




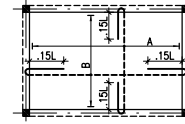
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**NOTES**

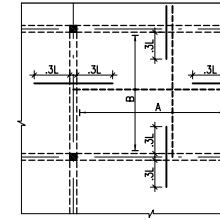
1. ALL DIMENSIONS ARE IN mm & LVLS IN m.
2. READ IN CONJUNCTION WITH RELEVANT ARCH. DRG.
3. FINISHED FLOOR LVL TO BE CONFIRMED AS/ARCH. DRGS, THE SLAB TOP LEVEL TO BE WORKED OUT SUITABLY CONSIDERING FLOOR FINISH THICKNESS.
4. CLEAR COVER OF R/F TO BE AS BELOW:-  
 FOUNDATION = 50mm  
 COLUMN = 40mm  
 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  $\phi$ . ALL LAPS TO PLANNED SUITABLY AS PER SITE REQUIREMENT.
8. DEVELOPEMENT LENGTH = 50xBAR  $\phi$ .



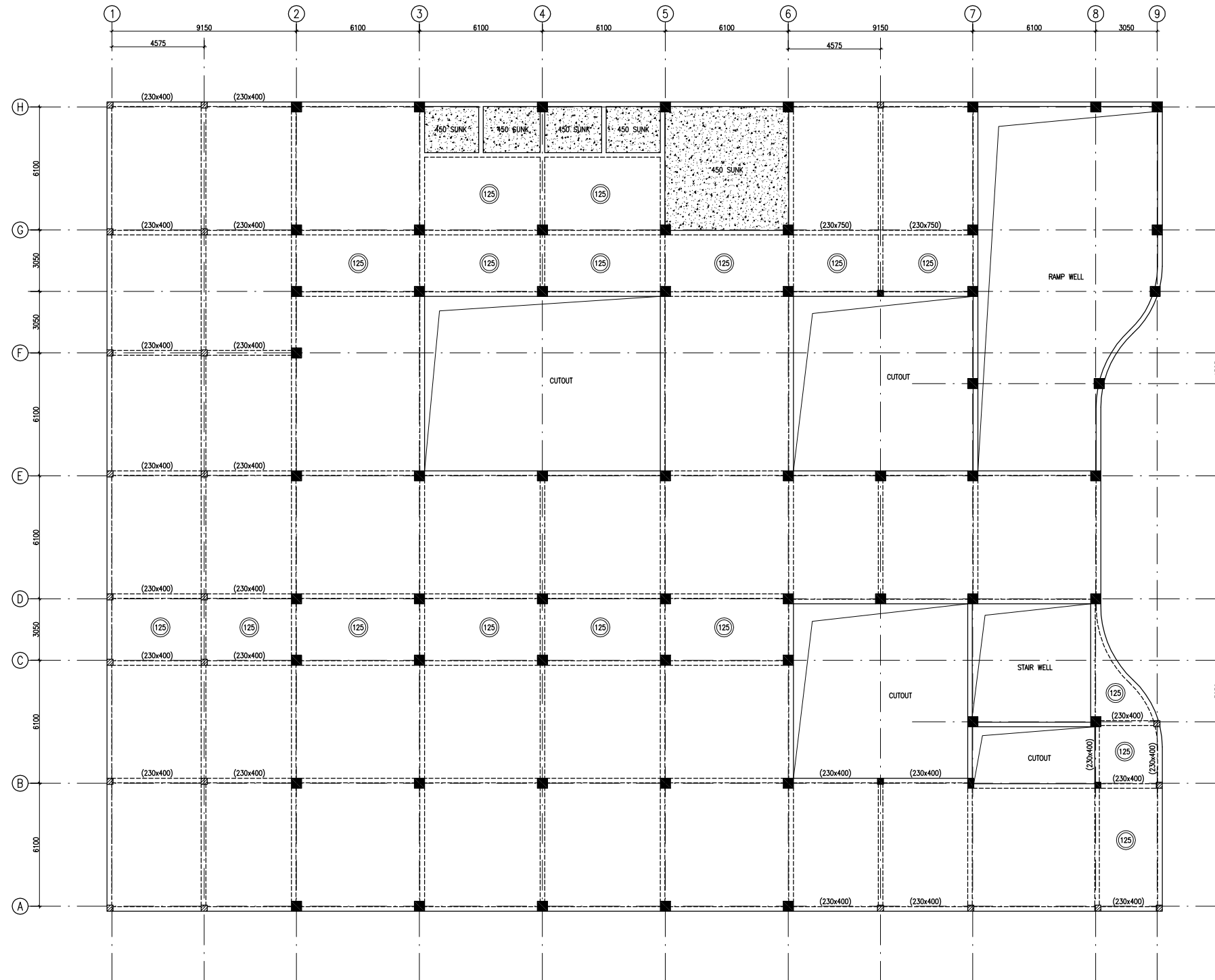
TYP. BEAM R/F DETAILS



TYP. SUNKEN SLAB R/F DETAIL



TYP. SLAB R/F DETAIL



FIRST FLOOR BEAM FRAMING PLAN  
 (ALL BEAMS SIZE 230x600 U.N.O.) & (SLAB THICKNESS 150mm U.N.O.)

REV	DATE	DESCRIPTION
1	08.04.13	OVERALL REVISED AS PER ARCH.
0	27.02.13	FOR TENDER

**REVISION**

**PROJECT**

PROPOSED  
 50 BEDDED HOSPITAL  
 RMNCH PROJECT,

CHATTISGARH

**TITLE**

FIRST FLOOR BEAM FRAMING PLAN

HSCC/RMNCH/D&E/ST-T-104

Drawing No. REV. 1

HSCC/RMNCH JOB No. 1:125 SCALE FEB.-2013 DATE

APPROVED REVIEWED PREPARED

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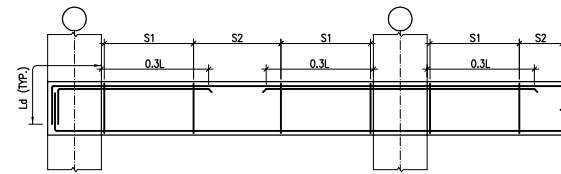
**HSCC**  
 NEW DELHI INDIA



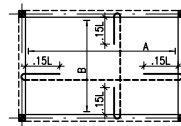
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**NOTES**

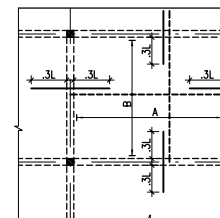
1. ALL DIMENSIONS ARE IN mm & LVLS IN m.
2. READ IN CONJUNCTION WITH RELEVANT ARCH. DRG.
3. FINISHED FLOOR LVL TO BE CONFIRMED AS/ARCH. DRGS, THE SLAB TOP LEVEL TO BE WORKED OUT SUITABLY CONSIDERING FLOOR FINISH THICKNESS.
4. CLEAR COVER OF R/F TO BE AS BELOW:-  
 FOUNDATION = 50mm  
 COLUMN = 40mm  
 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 =  $50 \times$  SMALLER BAR  $\phi$ . ALL LAPS TO PLANNED SUITABLY AS PER SITE REQUIREMENT.
8. DEVELOPEMENT LENGTH =  $50 \times$  BAR  $\phi$ .



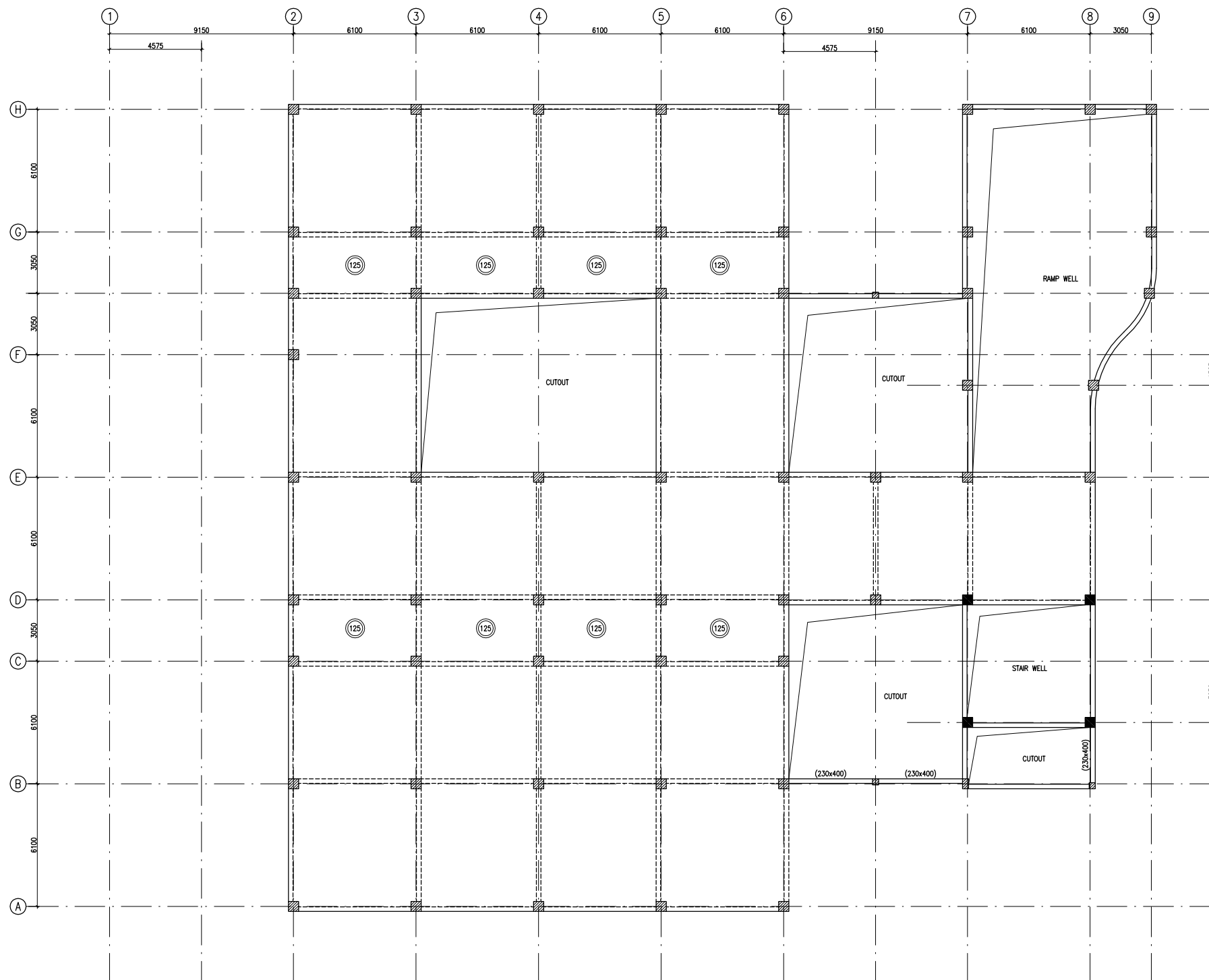
TYP. BEAM R/F DETAILS



TYP. SUNKEN SLAB R/F DETAIL



TYP. SLAB R/F DETAIL



TERRACE LVL. BEAM FRAMING PLAN  
 (ALL BEAMS SIZE 230x400 U.N.O.) & (SLAB THICKNESS 150mm U.N.O.)

REV	DATE	DESCRIPTION
1	08.04.13	OVERALL REVISED AS PER ARCH.
0	27.02.13	FOR TENDER

**REVISION**

**PROJECT**

PROPOSED  
 50 BEDDED HOSPITAL  
 RMNCH PROJECT,  
 CHATTISGARH

**TITLE**

TERRACE LVL. BEAM FRAMING PLAN

HSCC/RMNCH/D&E/ST-T-105

Drawing No. REV. 1

HSCC/RMNCH	1:125	FEB.-2013
JOB No.	SCALE	DATE

APPROVED	REVIEWED	PREPARED
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 NEW DELHI INDIA

1. BASED ON THIS DRAWING EXECUTING AGENCY WILL PREPARE SHOP DRAWING AFTER INCORPORATING THE CHANGES AS PER SITE CONDITION FOR THE APPROVAL OF ENGINEER-IN-CHARGE BEFORE START OF WORK.  
 2. THE NO & LOCATION OF FIXTURES TO BE FINALIZED BEFORE EXECUTION WITH MEDICAL IN-CHARGE OF PROJECT.

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**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 uPVC SOIL PIPE
6	40Ø UPVC WASTE PIPE
7	32Ø uPVC WASTE PIPE
8	Ø UTW DN.TAKE
9	Ø TW DN.TAKE
10	100 Ø S.W. PIPE
F.T	FLOOR TRAP 100x100
F.D	FLOOR DRAIN 50Ø
FCO	FLOOR CLEAN OUT
COP	CLEAN OUT PLUG
⊗	VALVE
MH	MANHOLE (900x800)mm
GT	GULLY TRAP(300x300)mm

REV	DATE	DESCRIPTION
REVISION		

**PROJECT**  
 RMNCH PROJECT  
 Proposed 50 Bedded Hospital (G+1) at CHATTISGARH

**TITLE - PLUMBING & FIRE**  
 TENDER DRAWING

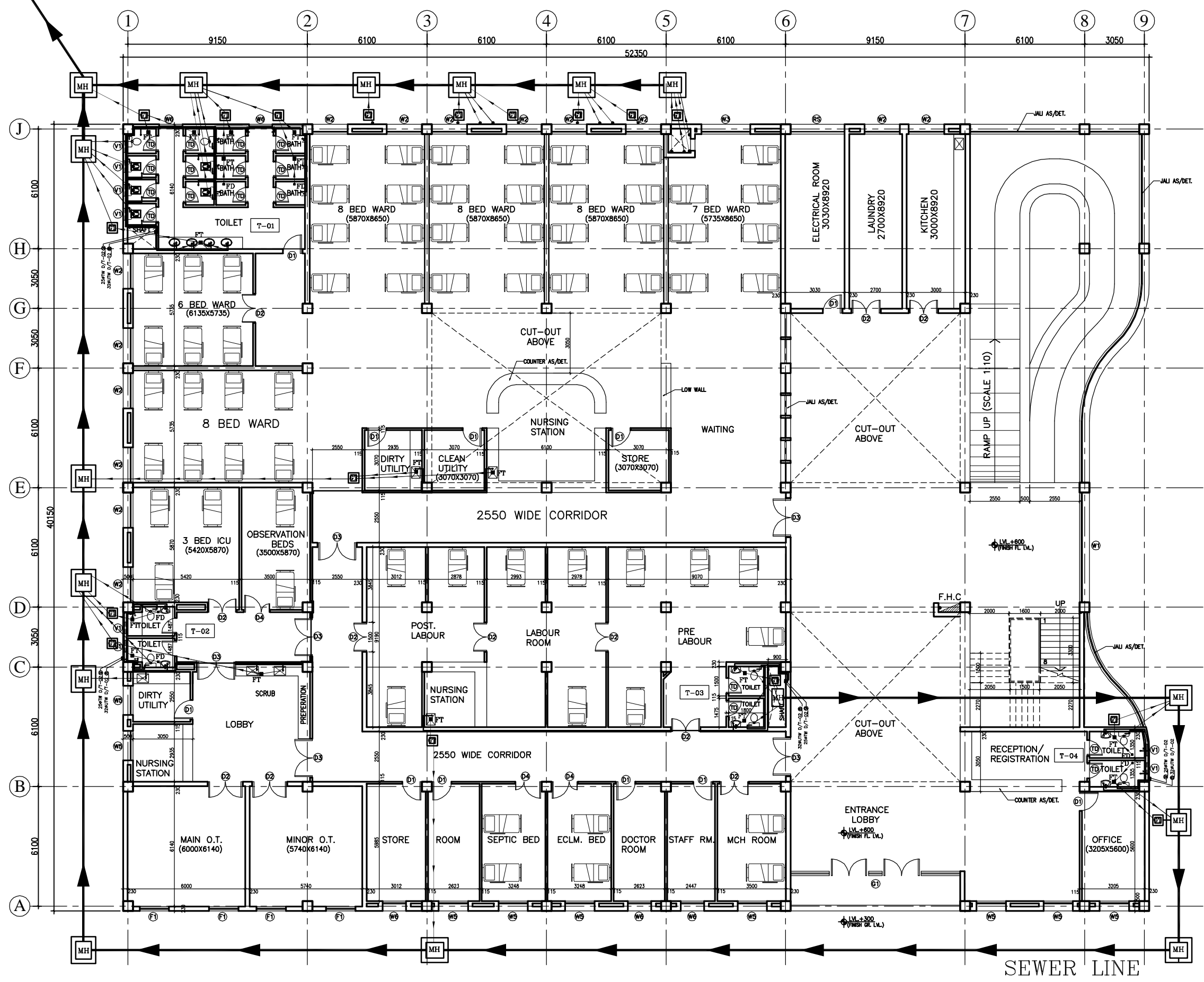
Ground Floor Plan

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

Job No.	Scale	Date
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App by	Rev. by	Prep. by
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**HSCC**  
 NEW DELHI INDIA



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1. BASED ON THIS DRAWING EXECUTING AGENCY WILL PREPARE SHOP DRAWING AFTER INCORPORATING THE CHANGES AS PER SITE CONDITION FOR THE APPROVAL OF ENGINEER-IN-CHARGE BEFORE START OF WORK.  
 2. THE NO & LOCATION OF FIXTURES TO BE FINALIZED BEFORE EXECUTION WITH MEDICAL IN-CHARGE OF PROJECT.

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**NOTES**

**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 uPVC SOIL PIPE
6	40Ø uPVC WASTE PIPE
7	32Ø uPVC WASTE PIPE
8	Ø UTW DN.TAKE
9	Ø TW DN.TAKE
10	100 Ø S.W. PIPE
F.T	FLOOR TRAP 100x100
F.D	FLOOR DRAIN 50Ø
FCO	FLOOR CLEAN OUT
COP	CLEAN OUT PLUG
⊗	VALVE
MH	MANHOLE (900x800)mm
GT	GULLY TRAP(300x300)mm

REV	DATE	DESCRIPTION
REVISION		

**PROJECT**  
 RMNCH PROJECT  
 Proposed 50 Bedded Hospital (G+1) at CHATTISGARH

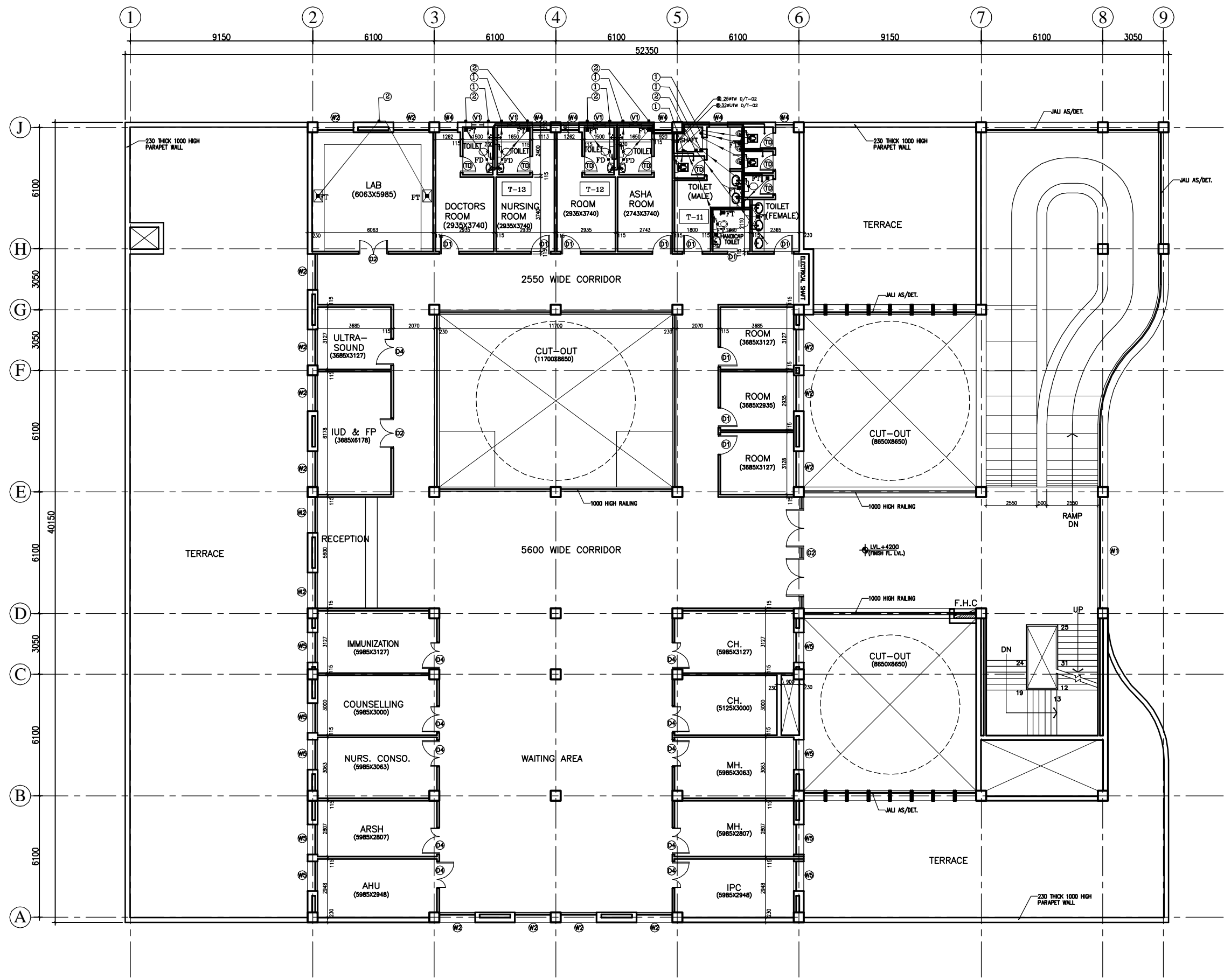
**TITLE - PLUMBING & FIRE**  
 TENDER DRAWING

First Floor Plan

HSCC/D&E/BEMETARA/TD/PL-02  
 Drawing No.

Job No.	Scale	Date
App by	Rev. by	Prep. by

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**HSCC**  
 NEW DELHI INDIA

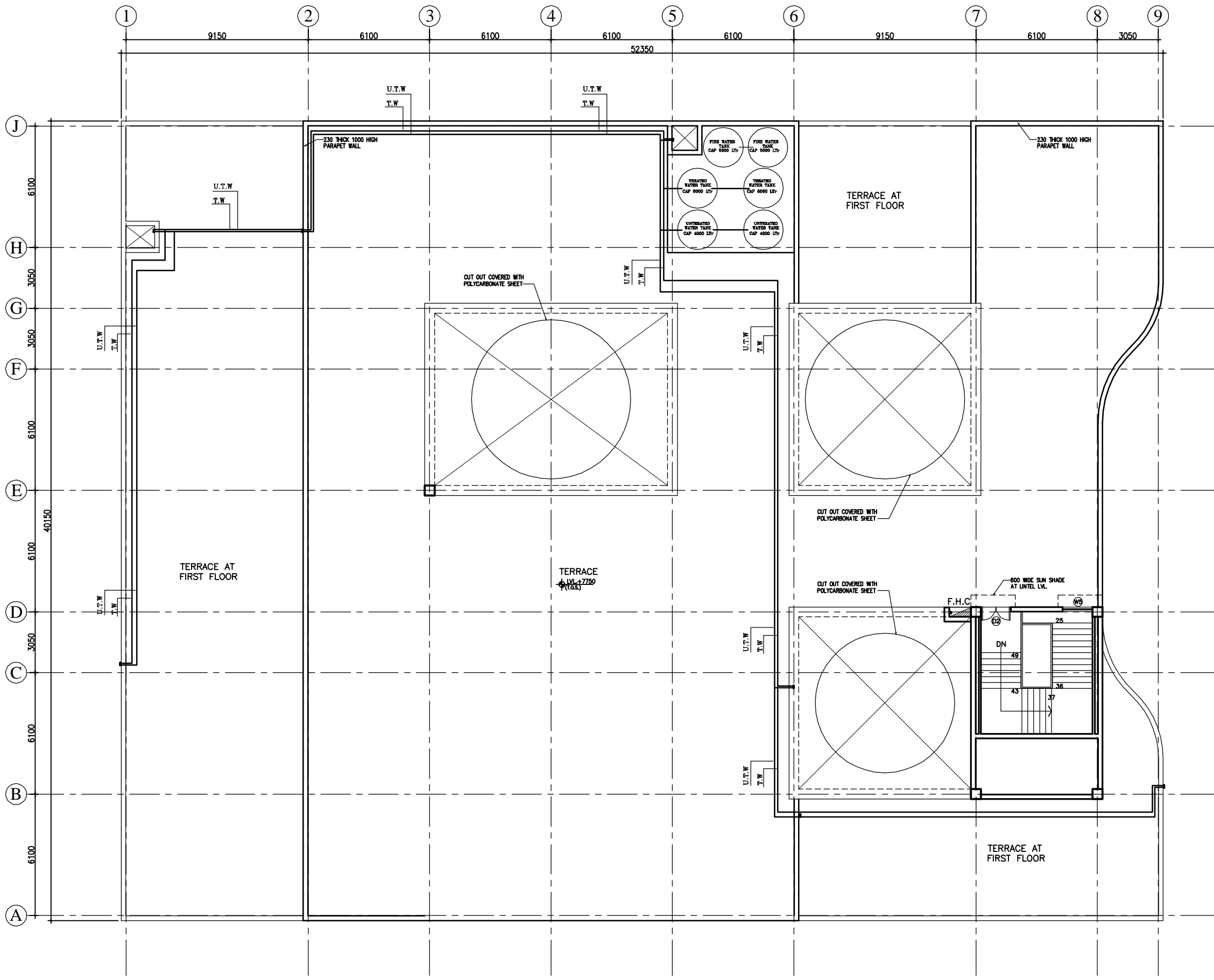


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9	Ø TW DN.TAKE
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FCO	FLOOR CLEAN OUT
COP	CLEAN OUT PLUG
⊗	VALVE
MH	MANHOLE (900x800)mm
GT	GULLY TRAP(300X300)mm

REV	DATE	DESCRIPTION
REVISION		

**PROJECT**  
 RMNCH PROJECT  
 Proposed 50 Bedded Hospital (G+1) at CHATTISGARH

**TITLE - PLUMBING & FIRE**  
 TENDER DRAWING

Terrace Plan

HSCC/D&E/BEMETARA/TD/PL-03  
 Drawing No.

Job No.	Scale	Date
App by	Rev. by	Prep. by

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NOTES

REV	DATE	DESCRIPTION

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

**TITLE**  
 MODEL PLANS (G+1)  
 TENDER DRAWING  
 Ground Floor Plan  
 ELECTRICAL LAYOUT  
 (COVERED AREA=2050 SQ. MT.)

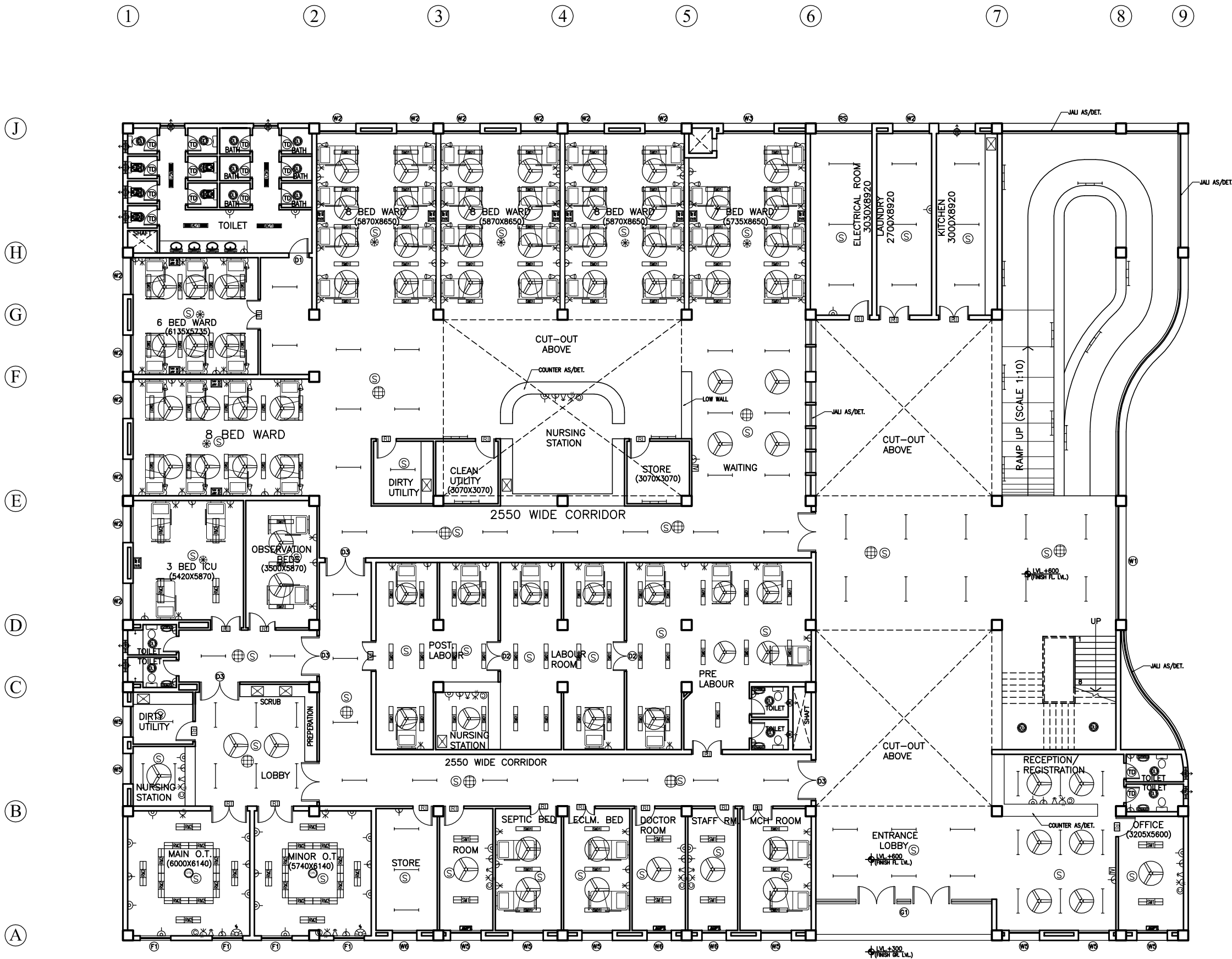
HSCC/D&E/CHATTISGARH/TD/EL-01 R-0  
 Drawing No. Rev.

HSCC/- Job No.	NTS Scale	Date

App by	Rev. by	Prep. by

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GROUND FLOOR PLAN

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NOTES

REV	DATE	DESCRIPTION

PROJECT

RMNCH PROJECT  
Proposed  
50 Bedded Hospital  
at  
CHATTISGARH

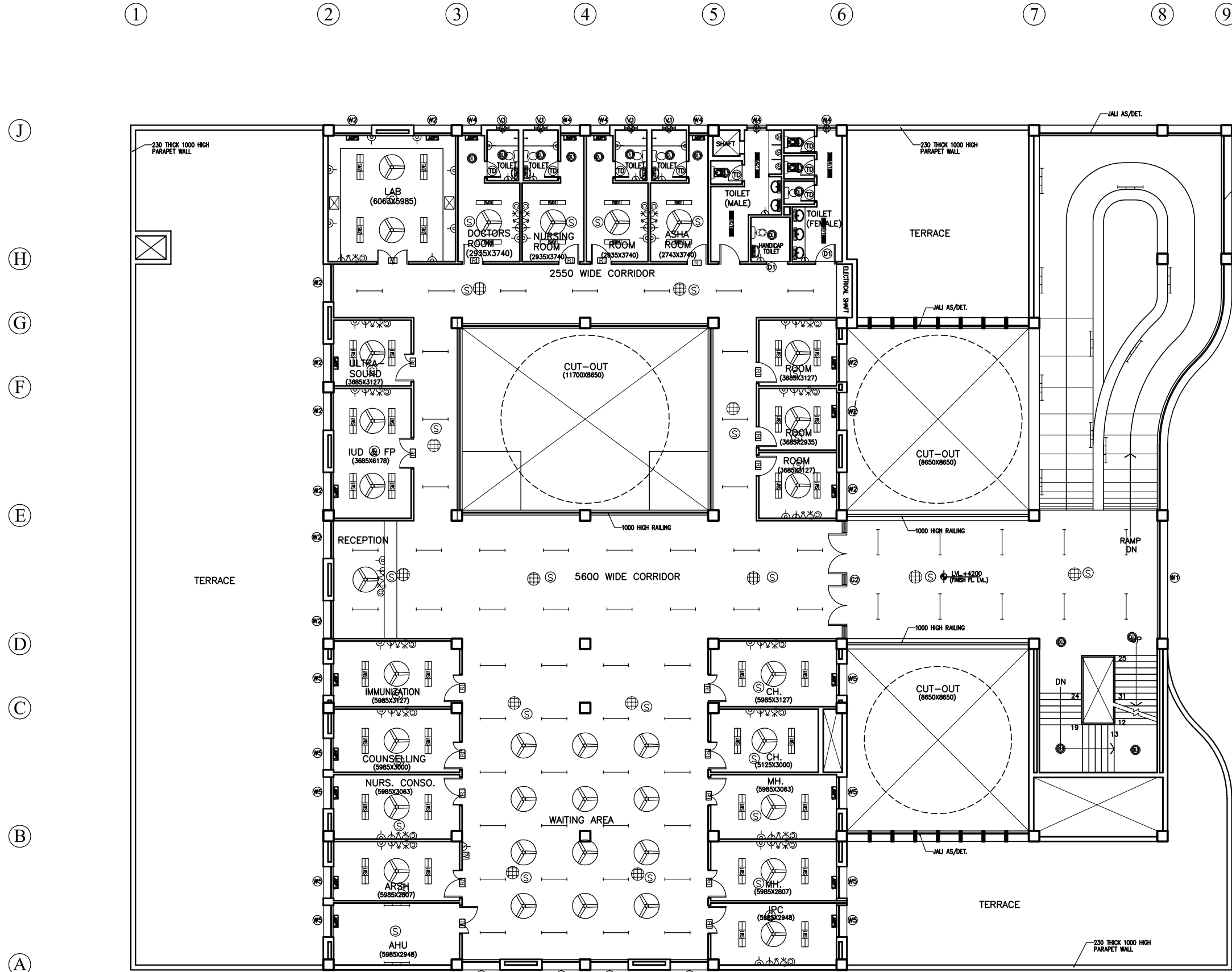
TITLE

MODEL PLANS (G+1)  
TENDER DRAWING  
First Floor Plan  
ELECTRICAL LAYOUT  
(COVERED AREA=1035 SQ. MT.)

HSCC/D&E/CHATTISGARH/TD/EL-02 R-0  
Drawing No. Rev.

HSCC/- Job No.	NTS Scale	Date
App by	Rev. by	Prep. by

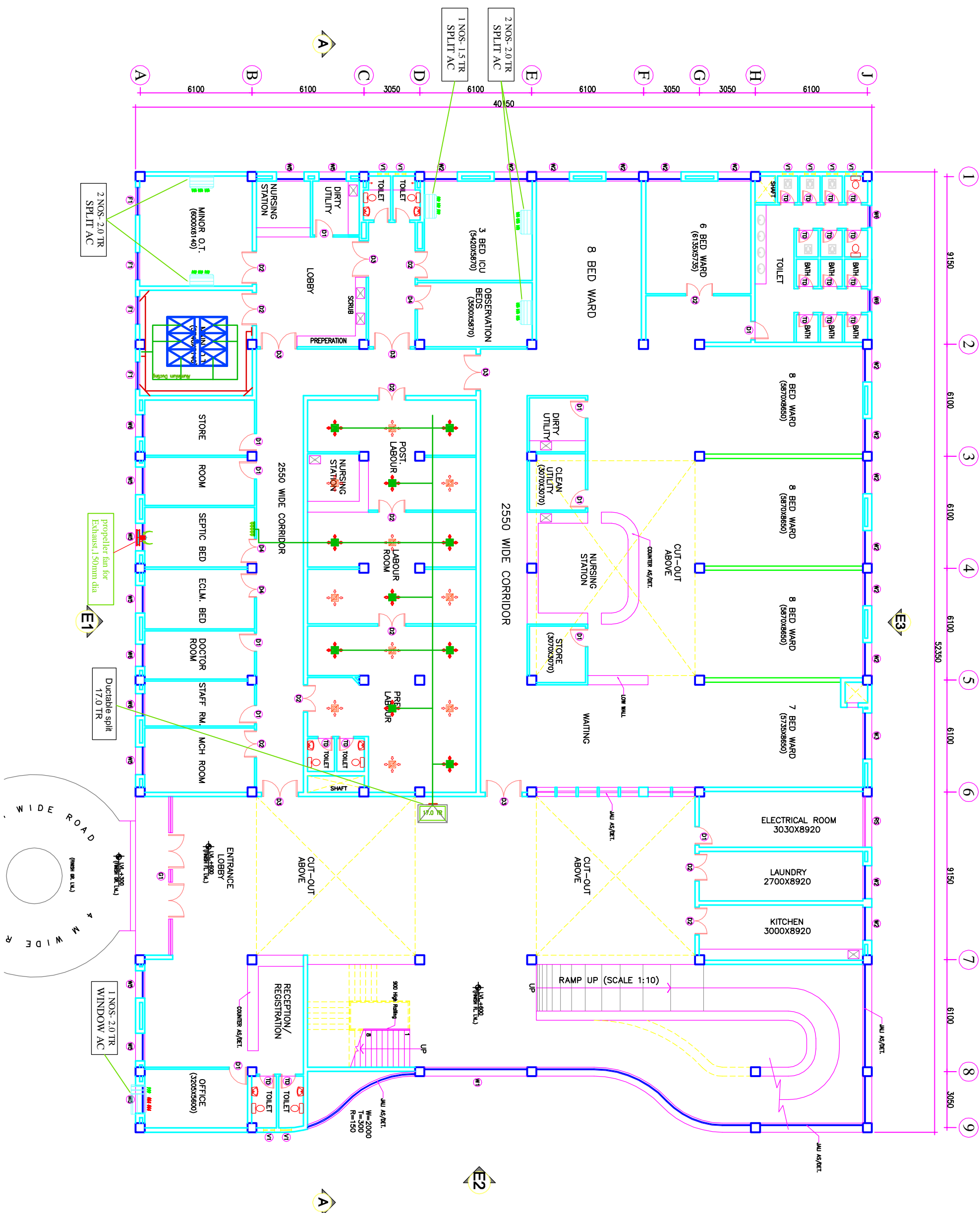
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FIRST FLOOR PLAN







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**DOOR AND WINDOW SCHEDULE**

SCHEDULE	SIZE	UNIT	REMARKS
1	800x2150	000	2150
2	1000x2150	000	2150
3	1500x2150	000	2150
4	2000x2150	000	2150
5	1500x2150	000	2150
6	2700x3000	000	3000
7	8650x3000	0/150	3000
8	5600x3000	0/150	3000
9	1500x2100	900	3000
10	2500x2100	900	3000
11	920x2100	900	3000
12	1500x2100	900	3000
13	1500x2100	900	3000
14	1500x2100	900	3000
15	600x900	1550	2150

**PROJECT**  
RMNCH PROJECT  
Proposed  
50 Bedded Hospital  
of  
CHHATTISGARH

**TITLE**  
HVAC LAYOUT  
GROUND FLOOR PLAN  
(COVERED AREA=2050 SQ. MT.)

**TENDER DRAWING**

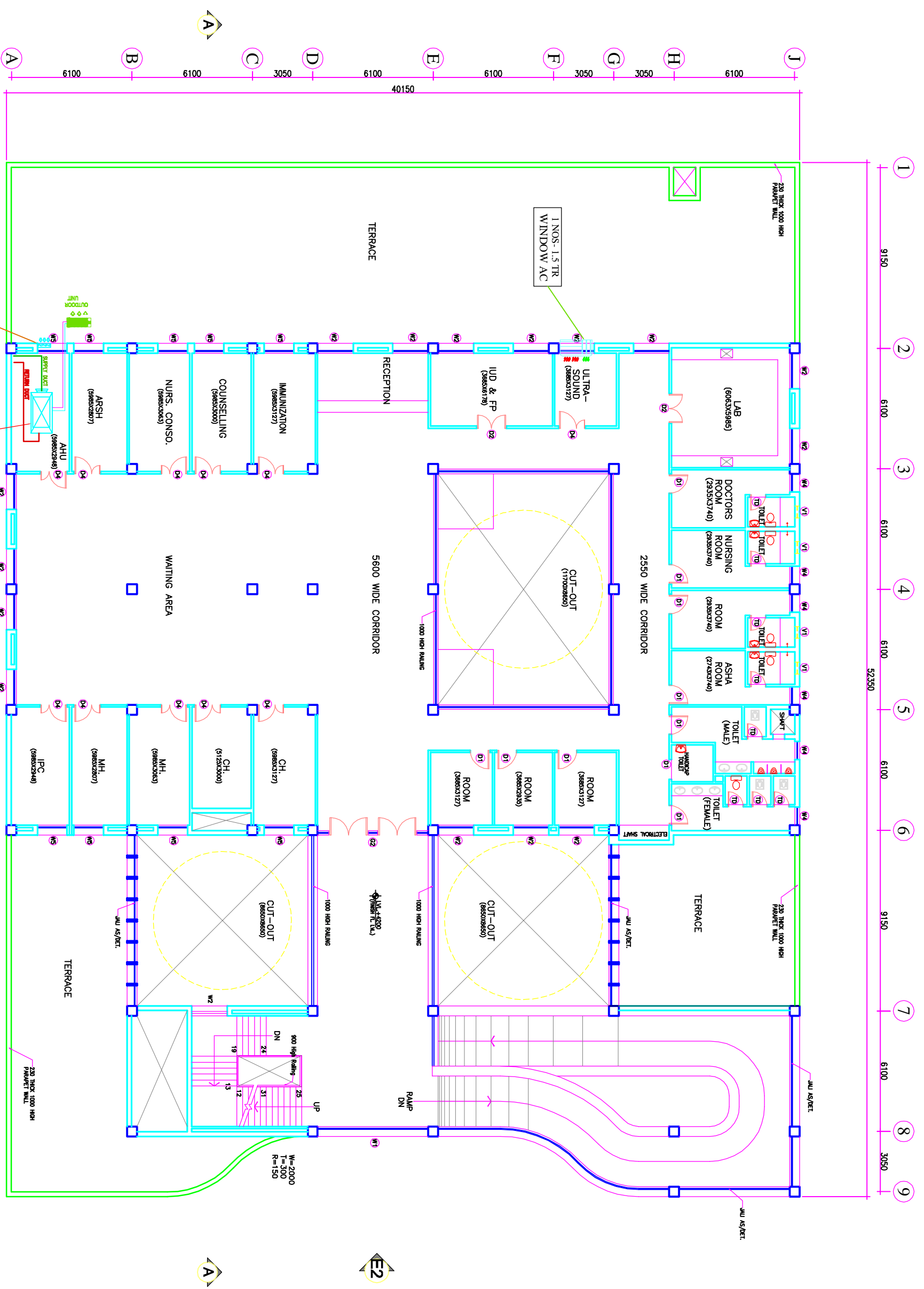
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Scale: 1:100 Date: 01-04-2013

App by: \_\_\_\_\_ Rev. by: \_\_\_\_\_ Prep. by: \_\_\_\_\_

**REVISION**

REV	DATE	DESCRIPTION



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**NOTES**

**DOOR AND WINDOW SCHEDULE**

SCHEDULE	SIZE	TYPE	UNITED	REMARKS
D1	1000x2150	000	2150	
D2	1500x2150	000	2150	DOOR SWITER
D3	2000x2150	000	2150	DOOR SWITER
D4	1350x2150	000	2150	DOOR SWITER
D5	2750x2000	000	3000	DOOR SWITER
D6	850x2000	07/150	3000	DOOR SWITER
D7	5600x3000	07/150	3000	DOOR SWITER
W1	1500x2100	900	3000	WIND WINDOW
W2	1500x2100	900	3000	WIND WINDOW
W3	2500x2100	900	3000	WIND WINDOW
W4	920x2100	900	3000	WIND WINDOW
W5	1500x2100	900	3000	WIND WINDOW
W6	1500x2100	900	3000	WIND WINDOW
W7	1500x2100	900	3000	WIND WINDOW
W8	1500x2100	900	3000	WIND WINDOW
W9	1500x2100	900	3000	WIND WINDOW
W10	600x900	1550	2150	WIND WINDOW

REV	DATE	DESCRIPTION

**PROJECT**  
**RMNCH PROJECT**  
 Proposed  
 50 Bedded Hospital  
 of  
**CHHATTISGARH**

**TENDER DRAWING**  
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