

**CHHATTISGARH MEDICAL SERVICES CORPORATION
LIMITED**

(Government of Chhattisgarh)

Tender

For

**Construction of 50 bedded MCH wing at Sukma (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

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Tender No. HSCC/NRHM/CG./2013 (II) /11

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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.)

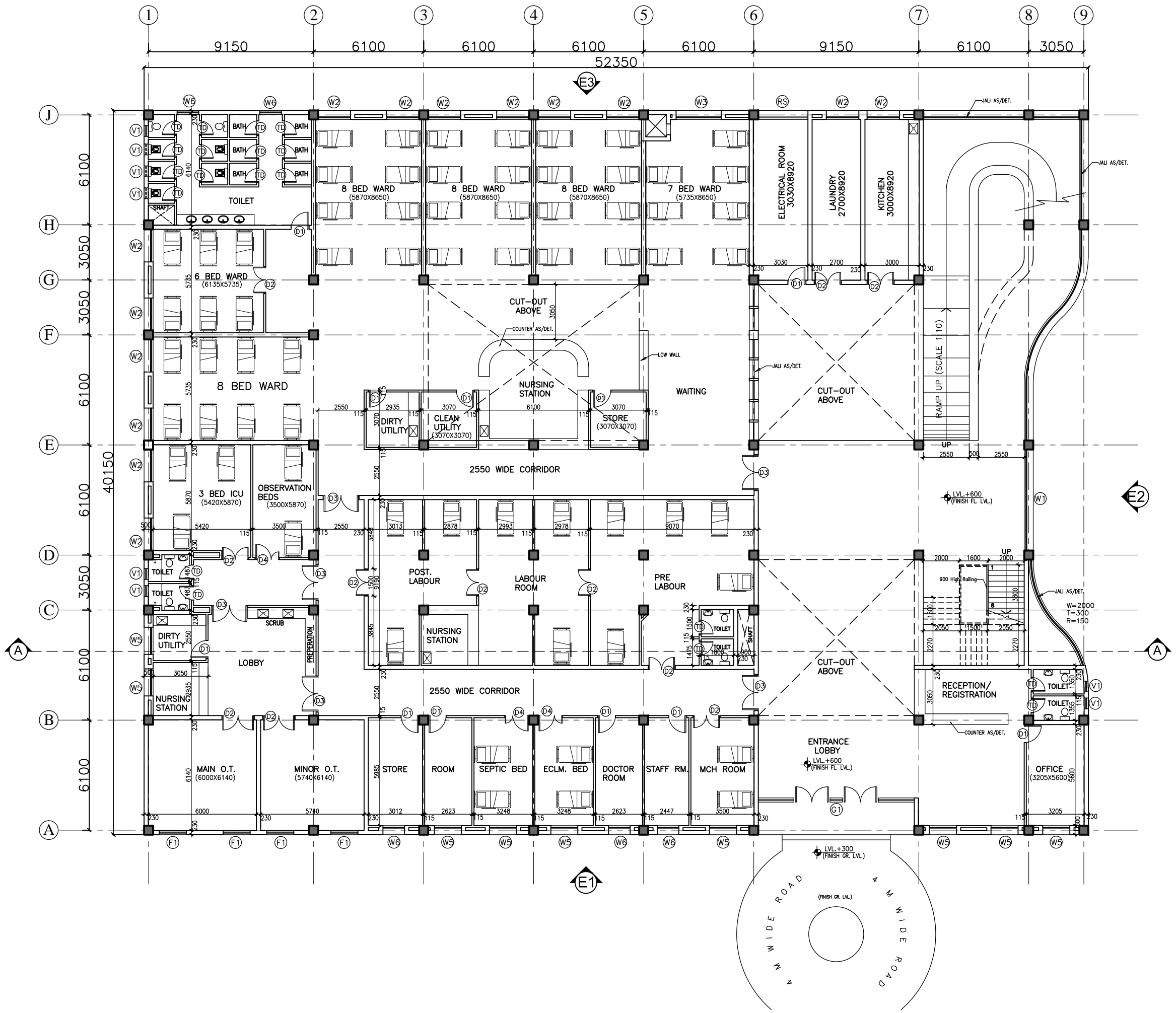
TENDER DRAWING (ARCH.)

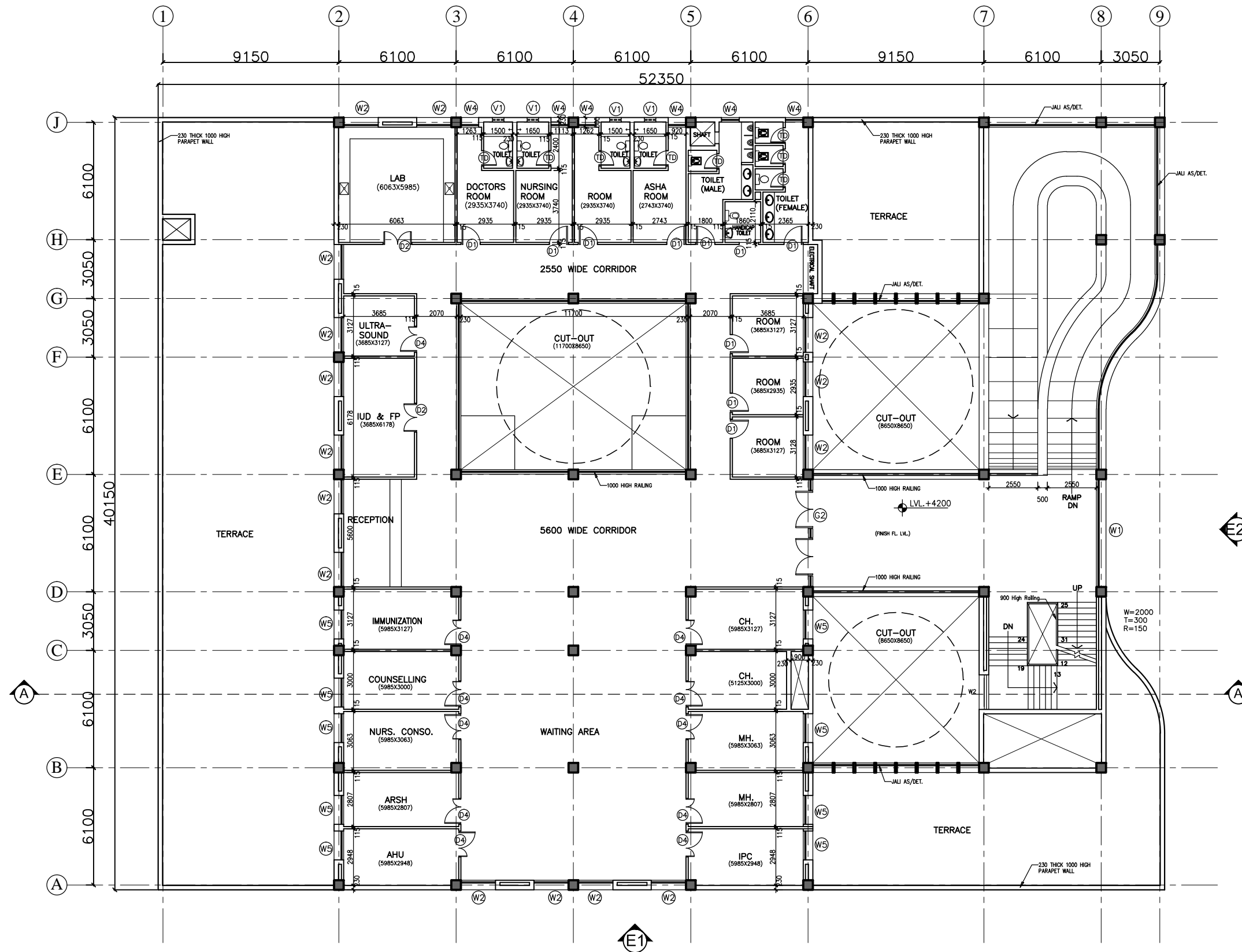
HSCC/CHATTISGARH/TD/002 R-0
 Drawing No. Rev.

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

DOOR AND WINDOW SCHEDULE

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

App by Rev. by Prep. by

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NOTES

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		

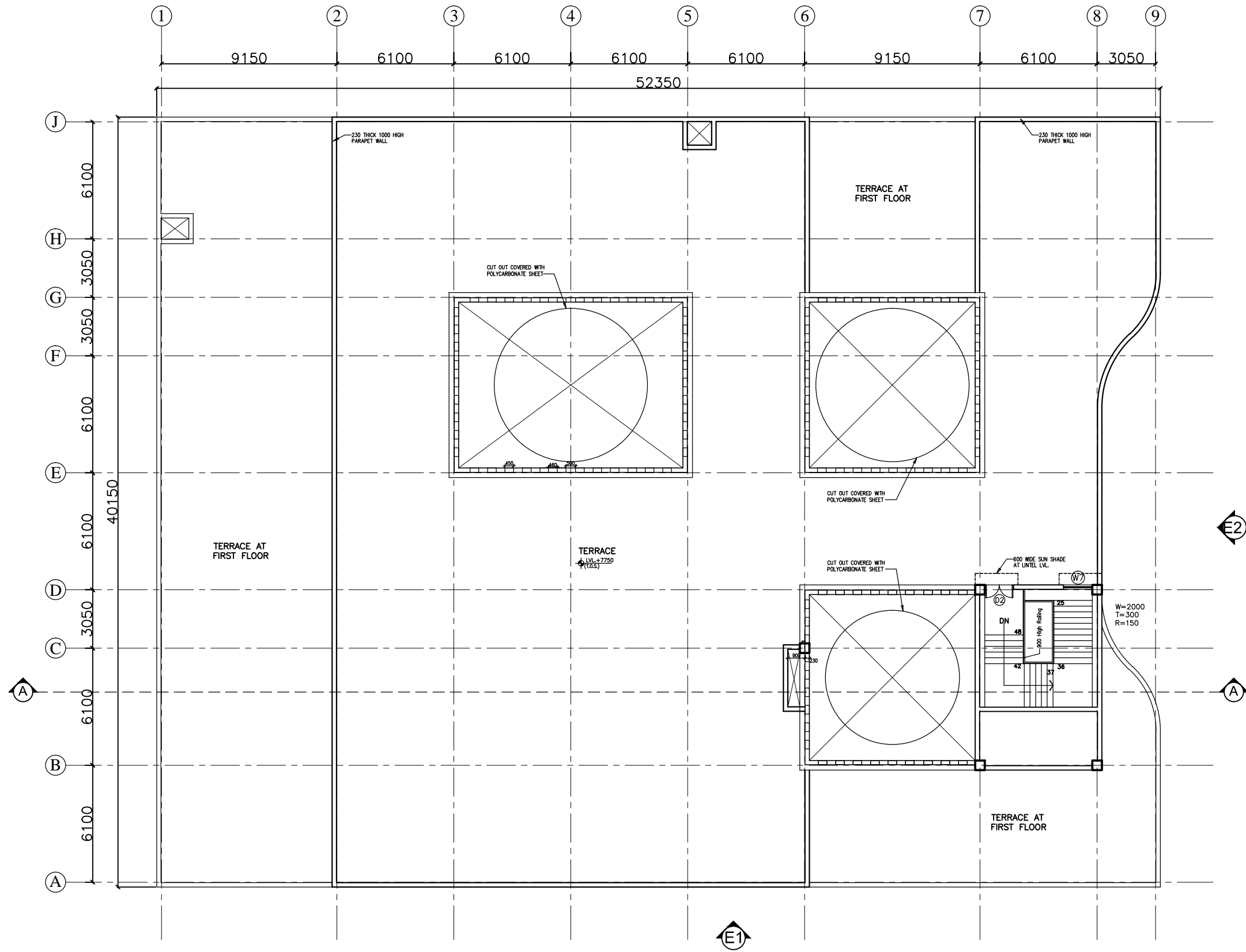
REV	DATE	DESCRIPTION
REVISION		

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
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W1		5600X2100	900	3000	BEAM BOTTOM
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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 NAGARI,
 CHATTISGARH

TITLE
 ELEVATIONS & SECTION

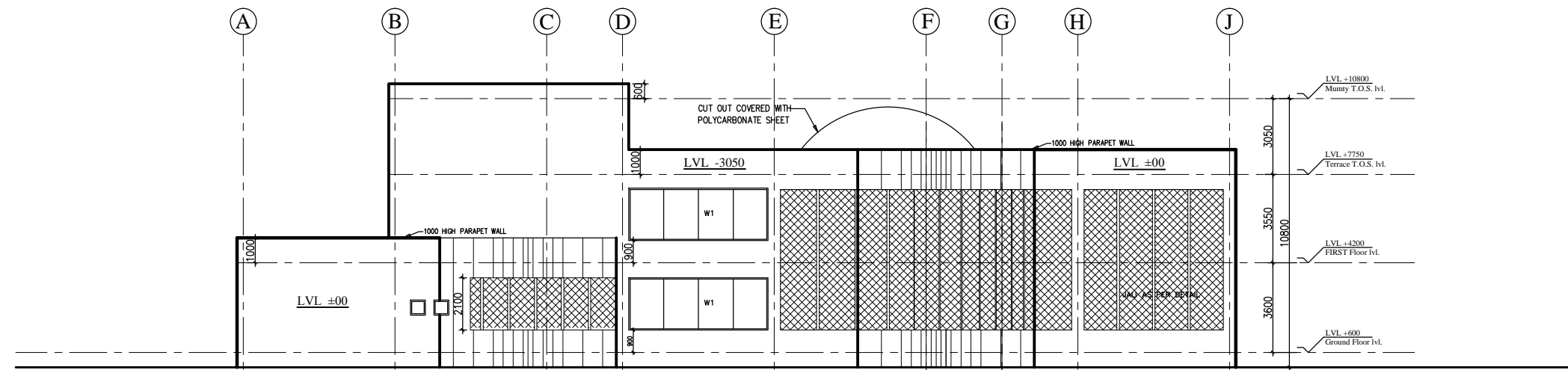
TENDER DRAWING (ARCH.)

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

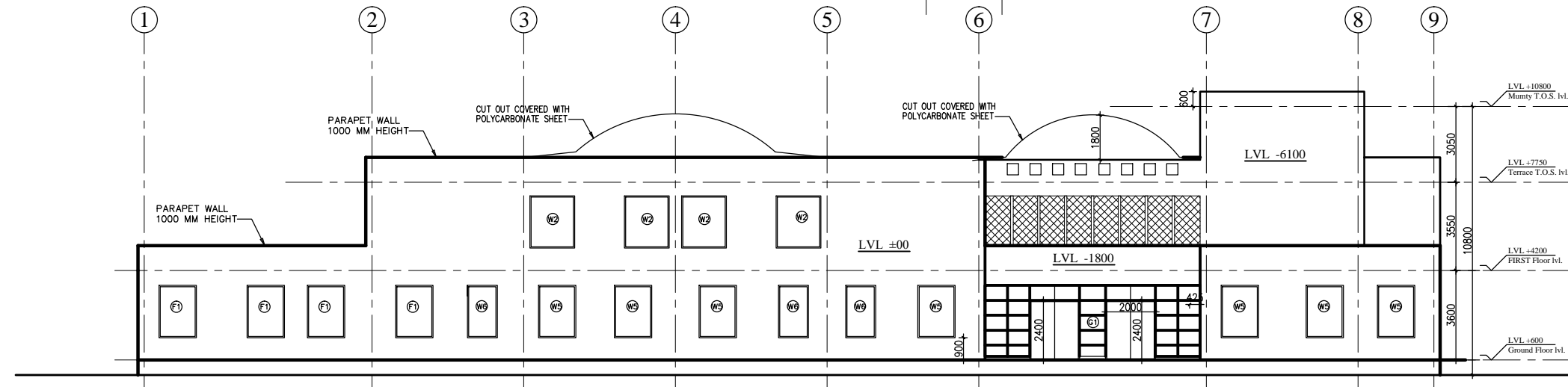
HSCC/- 1:100 12-04-2013
 Job No. Scale Date

App by Rev. by Prep. by

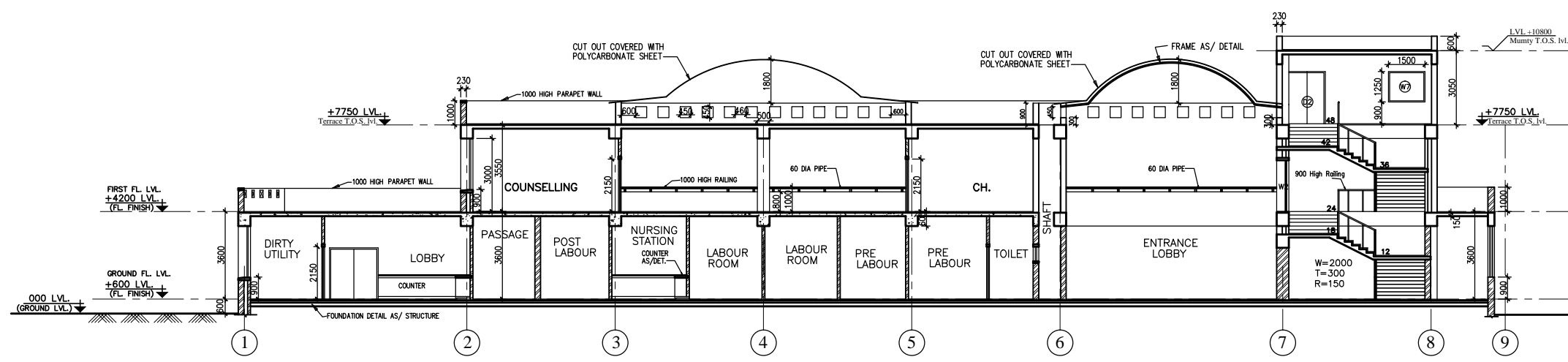
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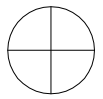
ELEVATION-E2



ELEVATION-E1



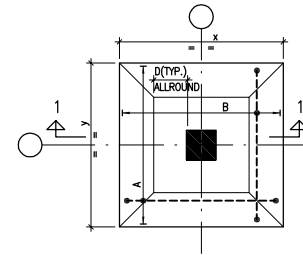
SECTION A-A



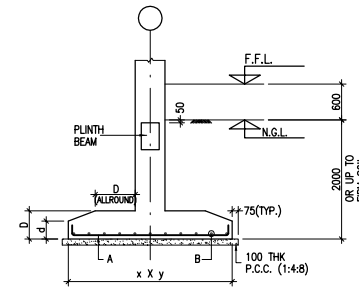
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FOOTING SCHEDULE

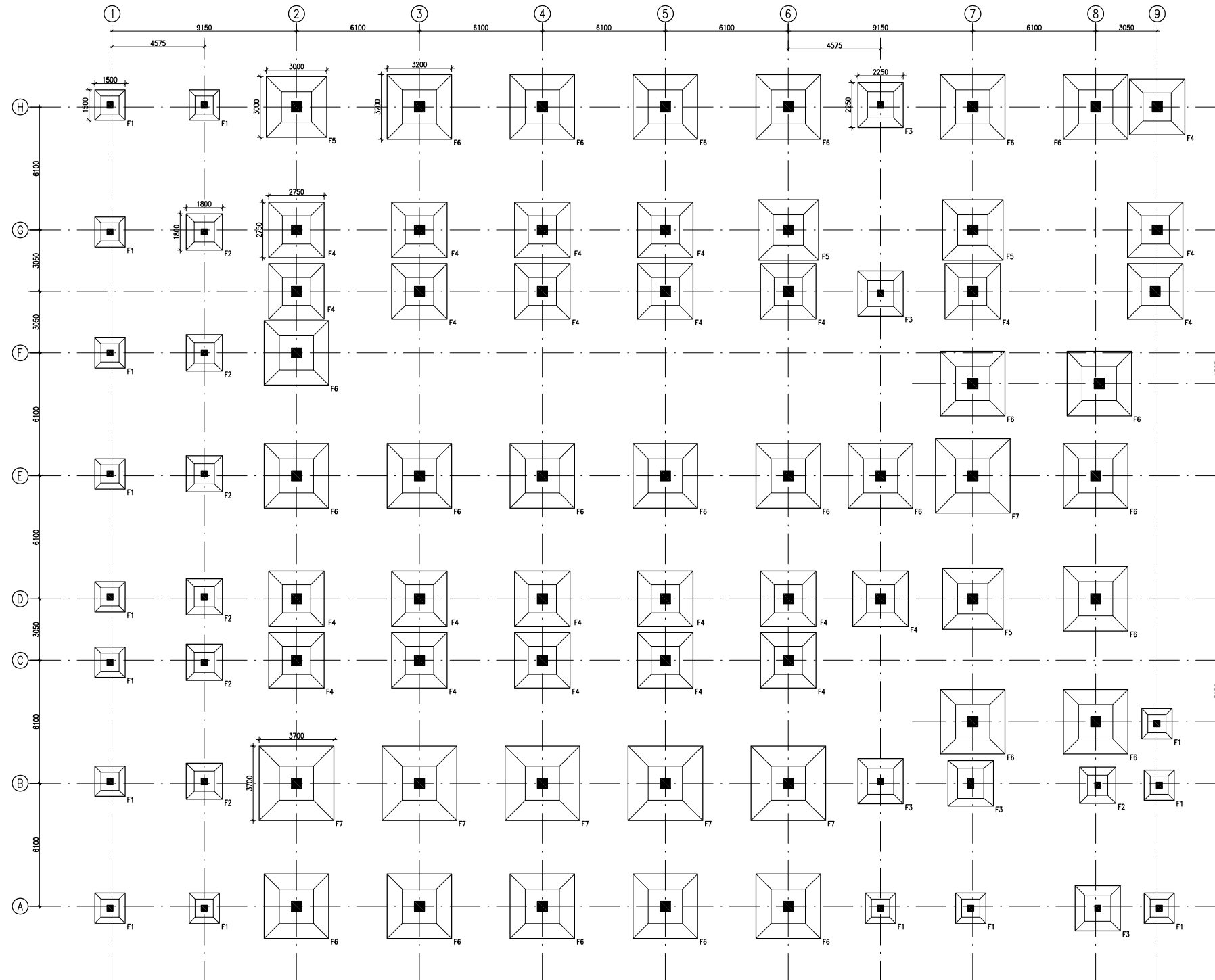
S.No	MKD.	SIZE(x/y)	THK. (d)	THK. (D)	REMARKS
1	F1	1500x1500	200	300	TAPERED
2	F2	1800x1800	250	350	TAPERED
3	F3	2250x2250	250	400	TAPERED
4	F4	2750x2750	250	450	TAPERED
5	F5	3000x3000	300	500	TAPERED
6	F6	3200x3200	300	550	TAPERED
7	F7	3700x3700	300	600	TAPERED



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 ϕ . ALL LAPS TO PLANNED SUITABLY AS PER SITE REQUIREMENT.
- DEVELOPMENT LENGTH = 50xBAR ϕ .
- SBC ASSUMED 120 kN/M² 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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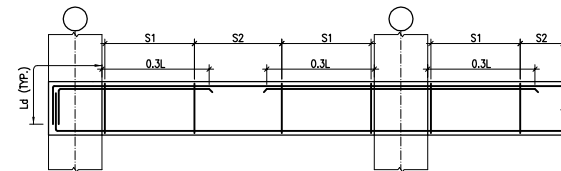
HSCC
NEW DELHI INDIA



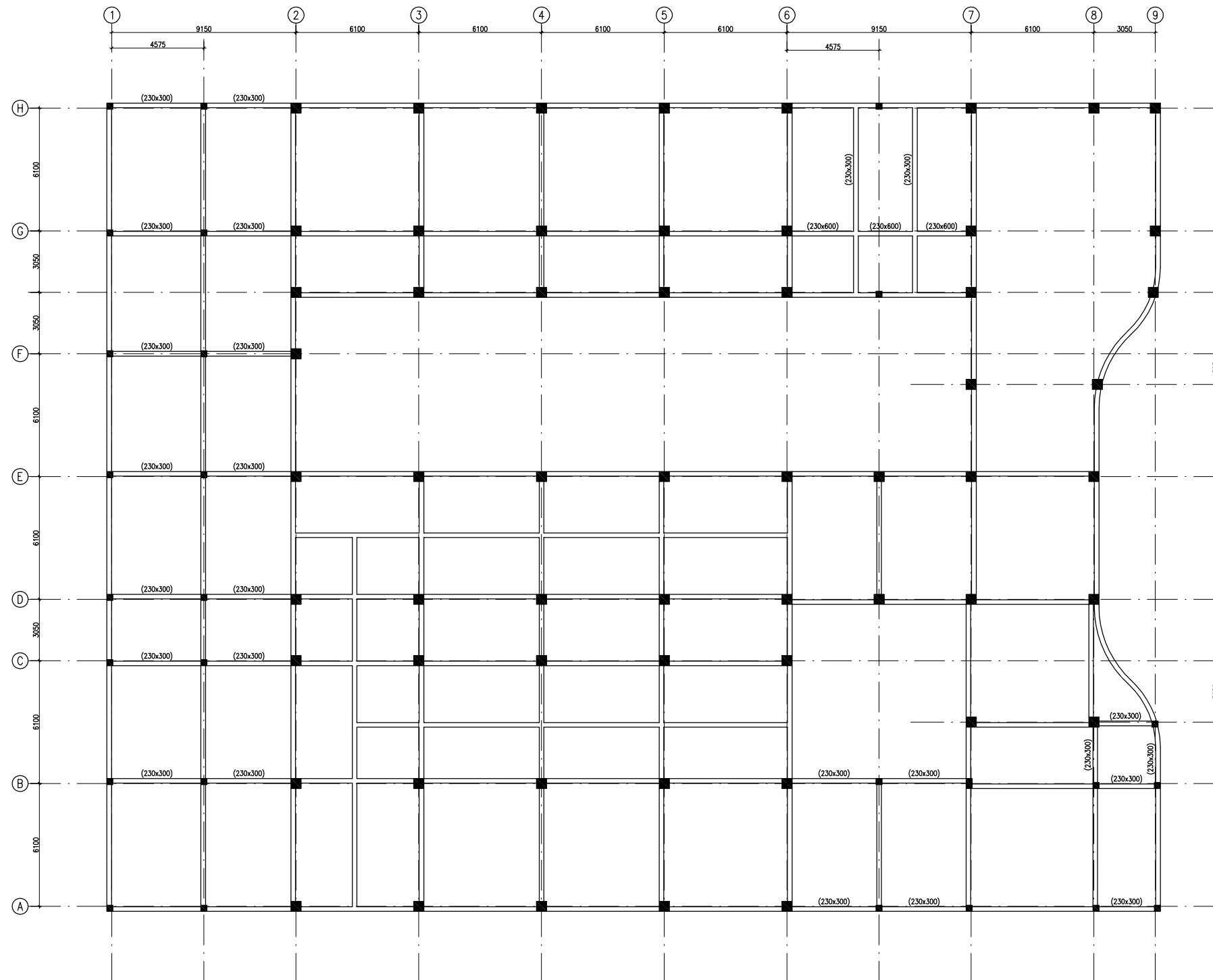
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NOTES

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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 Fe500 Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = $50 \times$ SMALLER BAR ϕ . ALL LAPS TO BE PLANNED SUITABLY AS PER SITE REQUIREMENT.
8. DEVELOPEMENT LENGTH = $50 \times$ BAR ϕ .



TYP. BEAM R/F DETAILS



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

PLINTH BEAM FRAMING PLAN

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

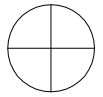
Drawing No. REV. 1

HSCC/RMNCH JOB No. SCALE DATE

APPROVED REVIEWED PREPARED

HSCC INDIA LTD.
(A GOVERNMENT OF INDIA ENTERPRISE)

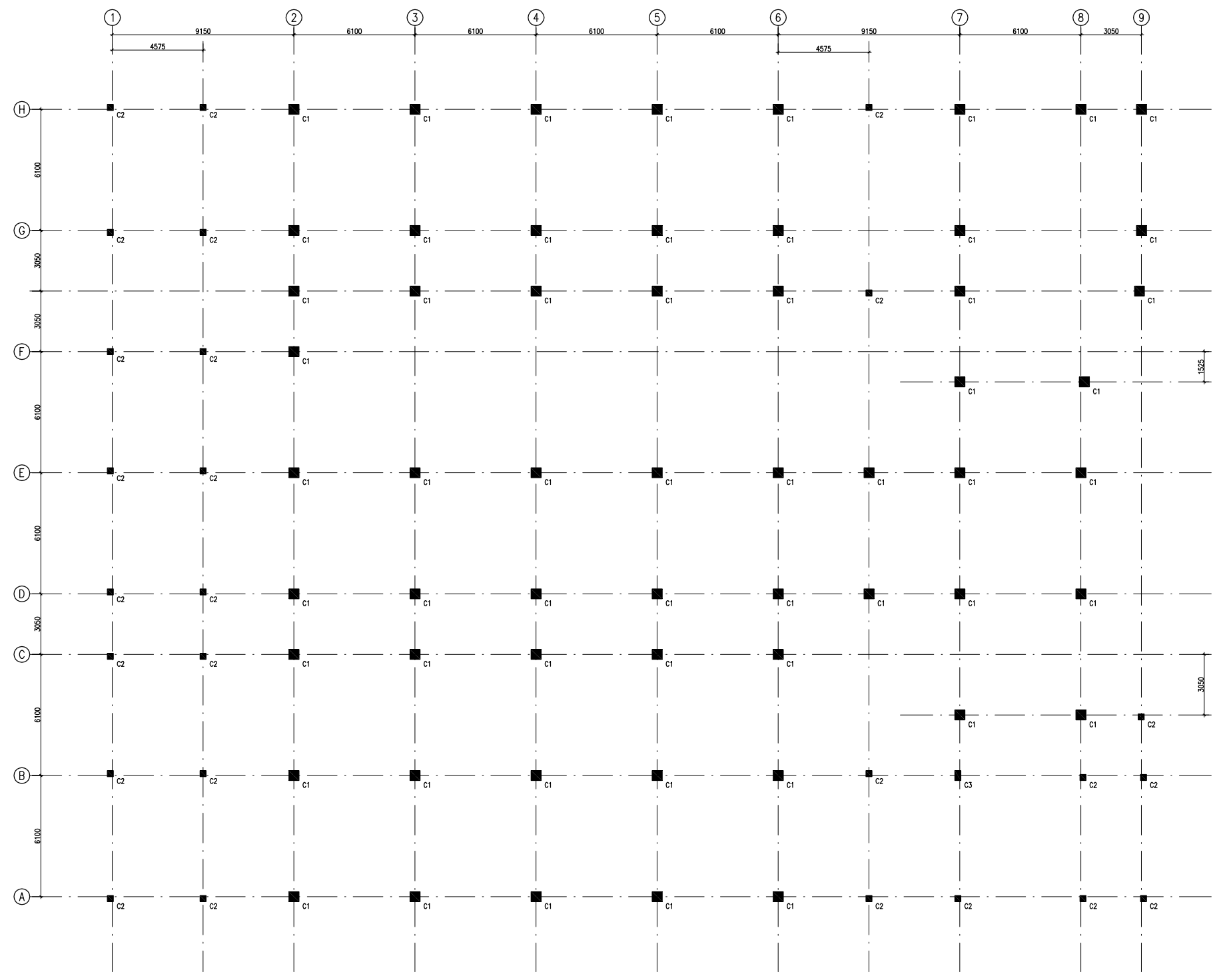
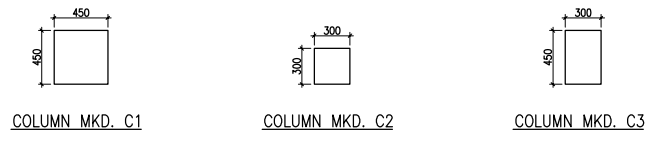
HSCC
NEW DELHI INDIA



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



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

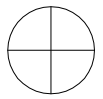
TITLE

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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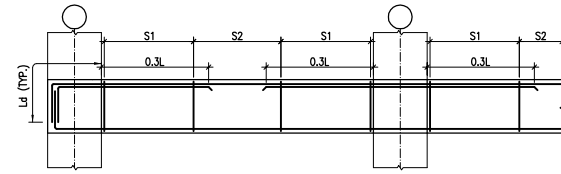
NEW DELHI INDIA



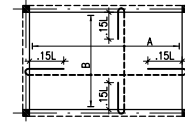
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NOTES

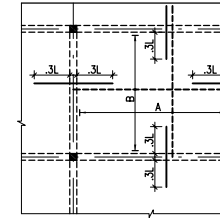
1. ALL DIMENSIONS ARE IN mm & LVLS IN m.
2. READ IN CONJUNCTION WITH RELEVANT ARCH. DRG.
3. FINISHED FLOOR LVL TO BE CONFIRMED AS/ARCH. DRGS, THE SLAB TOP LEVEL TO BE WORKED OUT SUITABLY CONSIDERING FLOOR FINISH THICKNESS.
4. CLEAR COVER OF R/F TO BE AS BELOW:-
 FOUNDATION = 50mm
 COLUMN = 40mm
 BEAM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



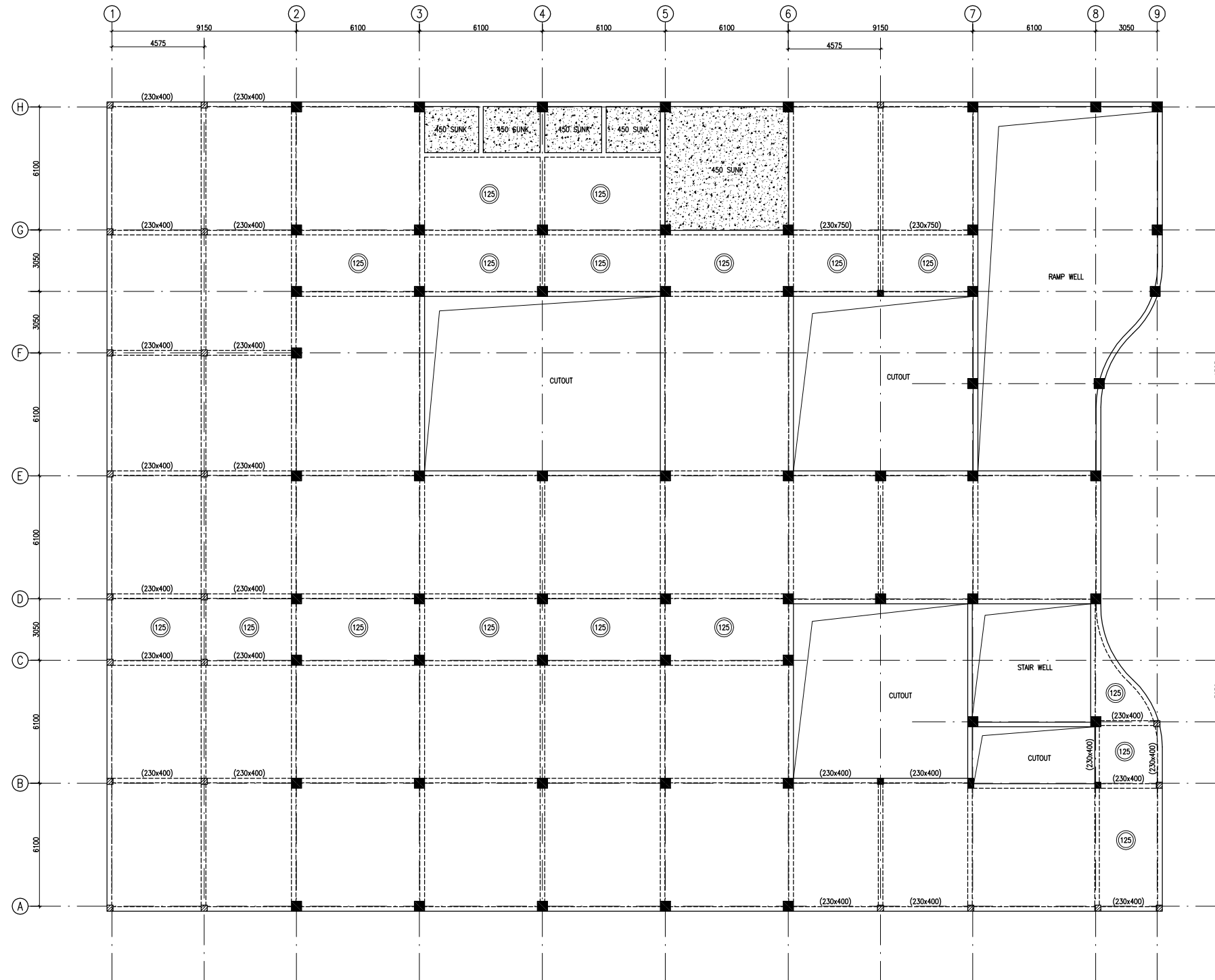
TYP. BEAM R/F DETAILS



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

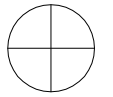
Drawing No. REV. 1

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

APPROVED REVIEWED PREPARED

HSCC INDIA LTD.
 (A GOVERNMENT OF INDIA ENTERPRISE)

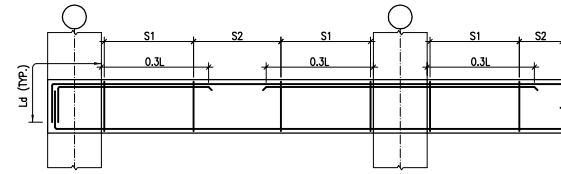
HSCC
 NEW DELHI INDIA



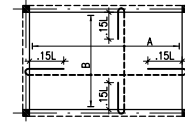
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NOTES

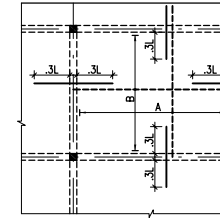
1. ALL DIMENSIONS ARE IN mm & LVLS IN m.
2. READ IN CONJUNCTION WITH RELEVANT ARCH. DRG.
3. FINISHED FLOOR LVL TO BE CONFIRMED AS/ARCH. DRGS, THE SLAB TOP LEVEL TO BE WORKED OUT SUITABLY CONSIDERING FLOOR FINISH THICKNESS.
4. CLEAR COVER OF R/F TO BE AS BELOW:-
 FOUNDATION = 50mm
 COLUMN = 40mm
 BEAM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



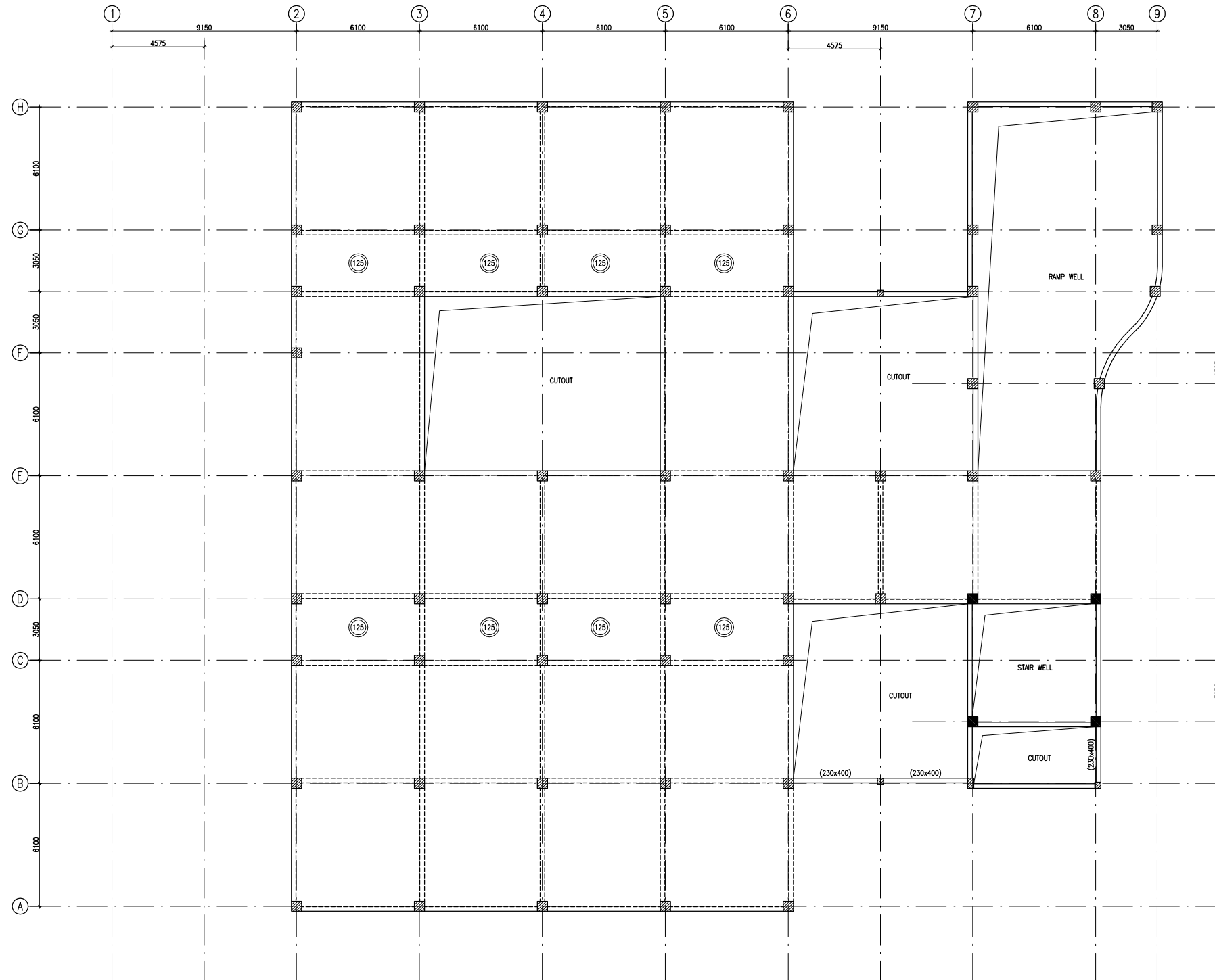
TYP. BEAM R/F DETAILS



TYP. SUNKEN SLAB R/F DETAIL



TYP. SLAB R/F DETAIL



TERRACE LVL. 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

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

HSCC INDIA LTD.
 (A GOVERNMENT OF INDIA ENTERPRISE)

HSCC
 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

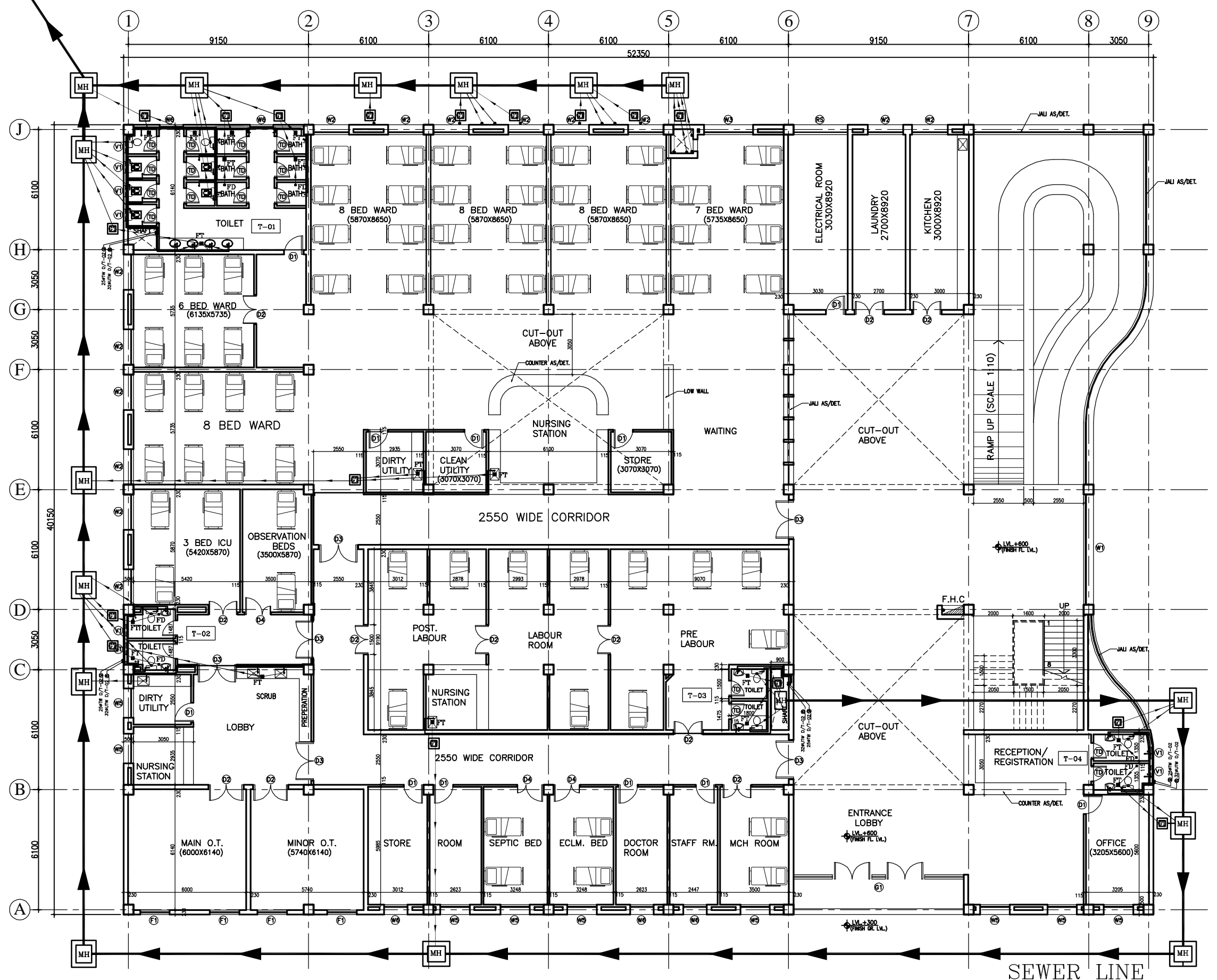
Ground Floor Plan

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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PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

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

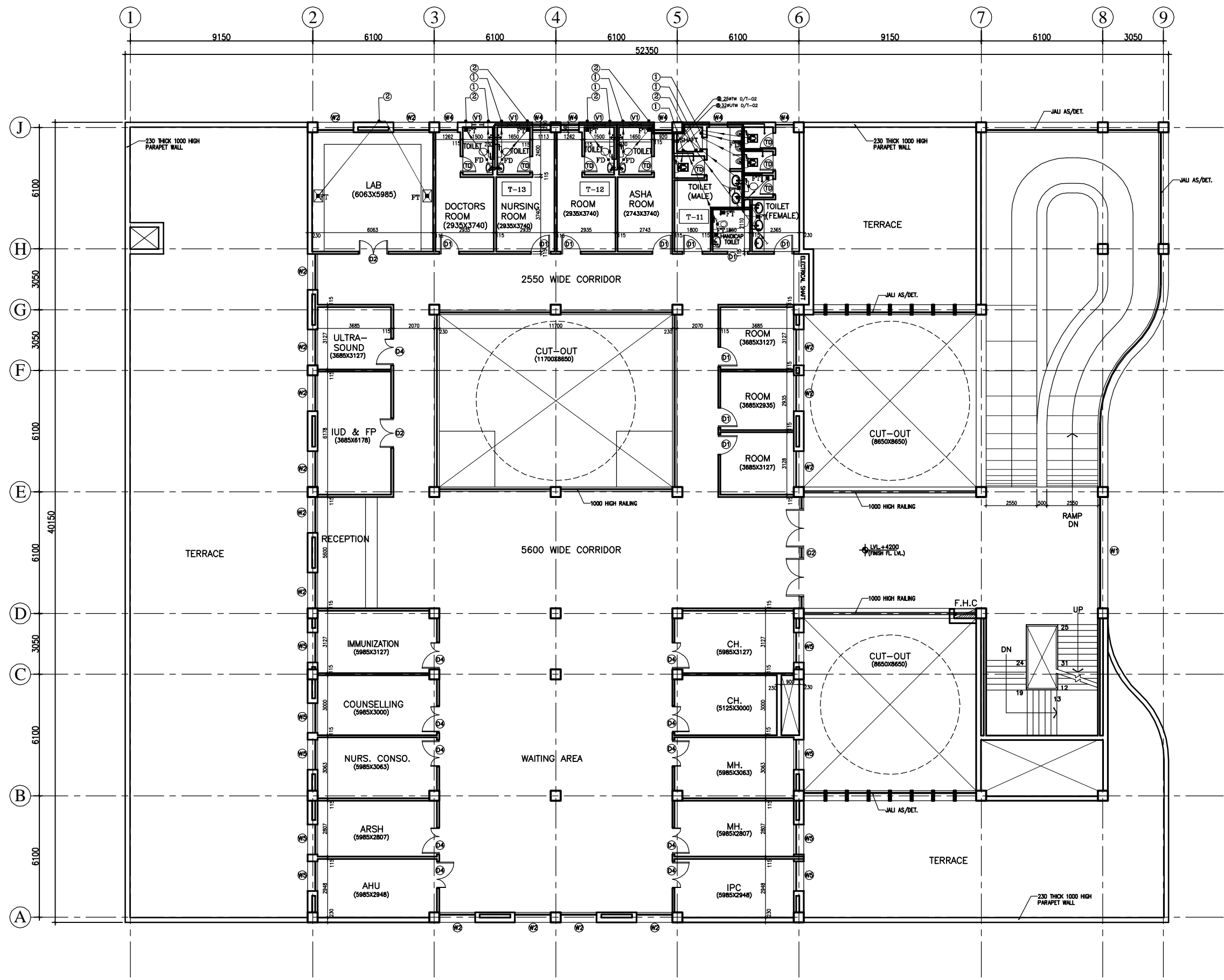
TITLE - PLUMBING & FIRE
 TENDER DRAWING

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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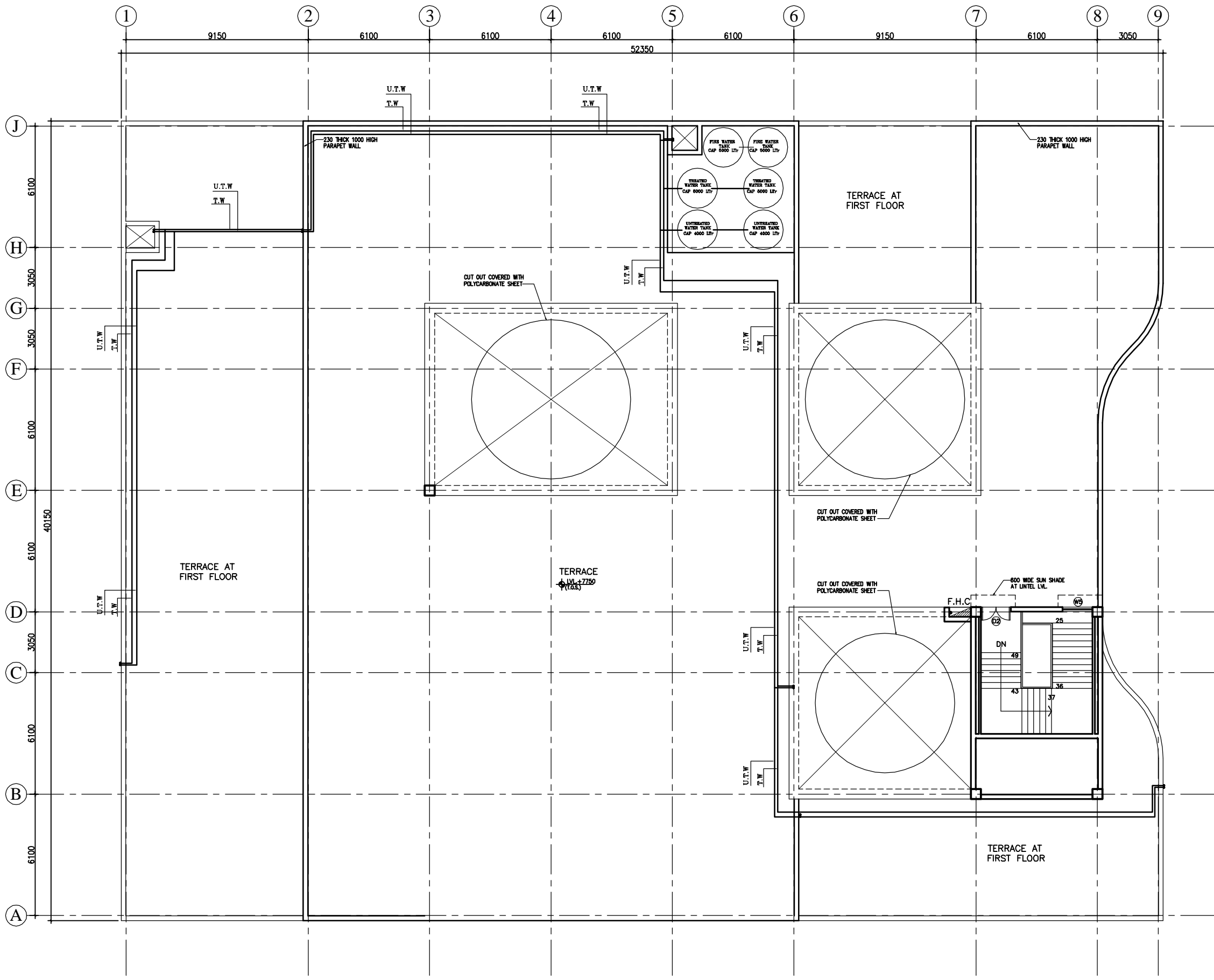


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NOTES

LEGEND

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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
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COP	CLEAN OUT PLUG
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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

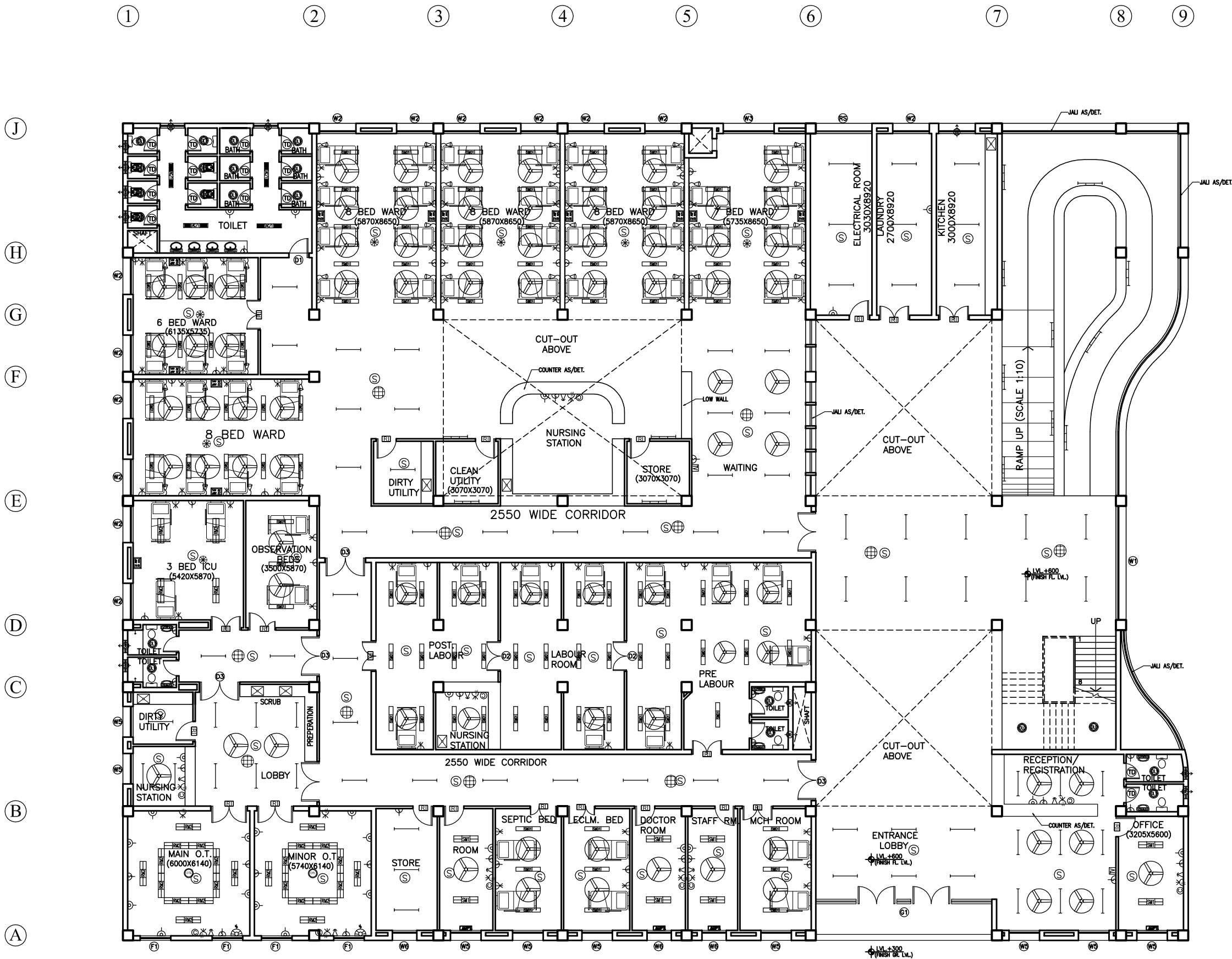
MODEL PLANS (G+1)
TENDER DRAWING
Ground Floor Plan
ELECTRICAL LAYOUT
(COVERED AREA=2050 SQ. MT.)

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

HSCC/- Job No.	NTS Scale	Date

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GROUND FLOOR PLAN

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NOTES

REV	DATE	DESCRIPTION

PROJECT

RMNCH PROJECT
Proposed
50 Bedded Hospital
at
CHATTISGARH

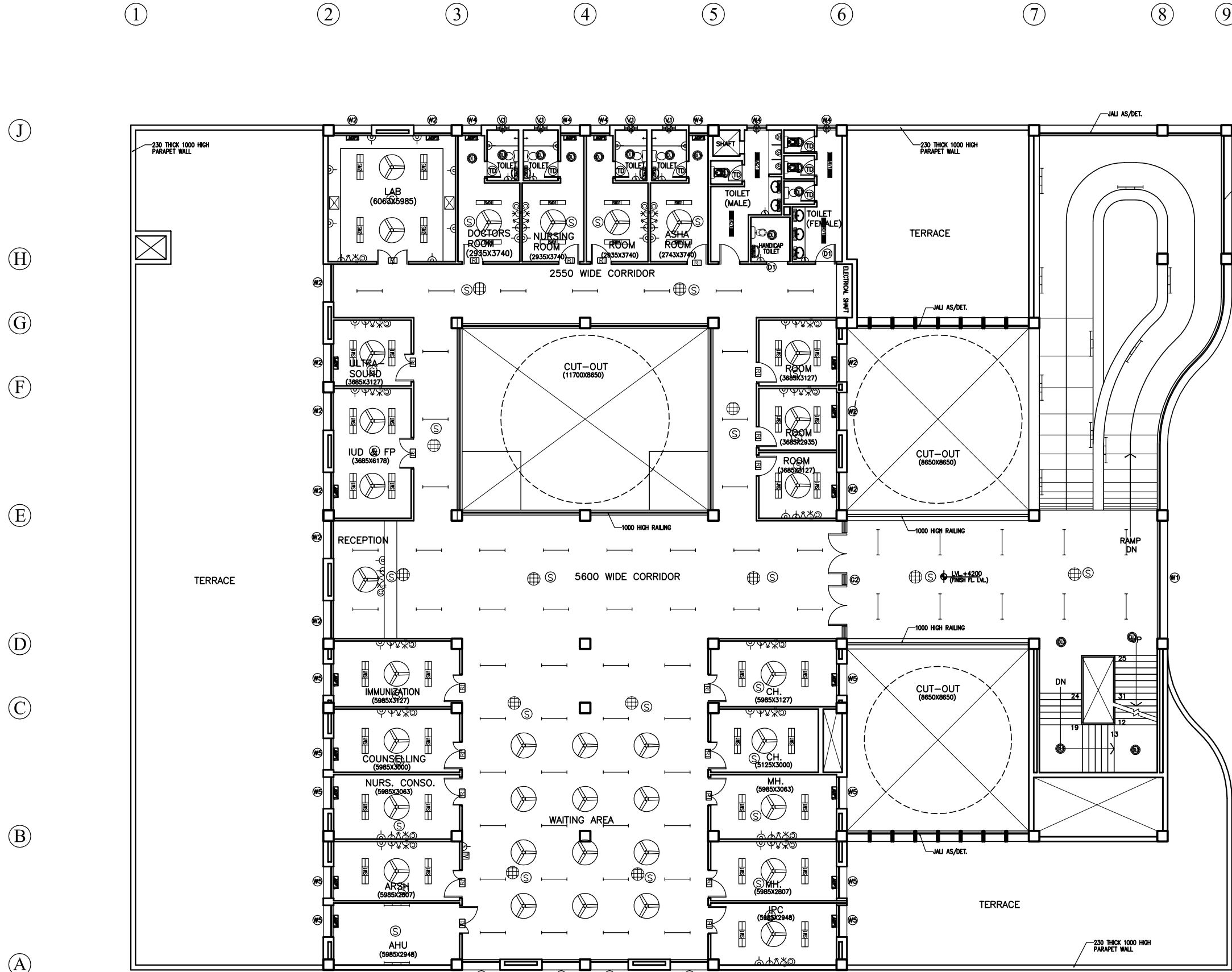
TITLE

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
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FIRST FLOOR PLAN

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NOTES

REV	DATE	DESCRIPTION
REVISION		

PROJECT

RMNCH PROJECT
Proposed
50 Bedded Hospital
at
CHATTISGARH

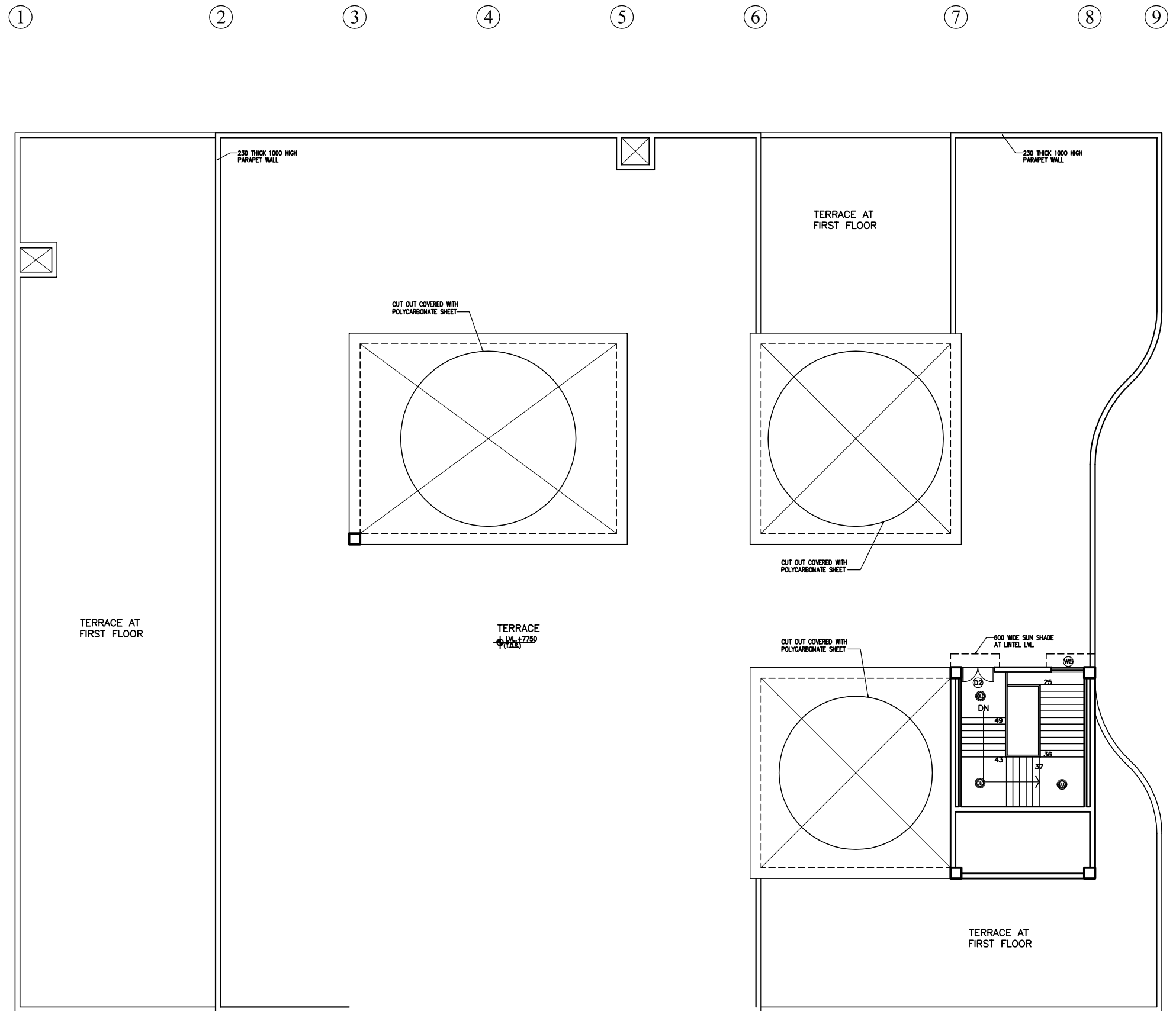
TITLE

MODEL PLANS (G+1)
TENDER DRAWING
Terrace Plan
ELECTRICAL LAYOUT

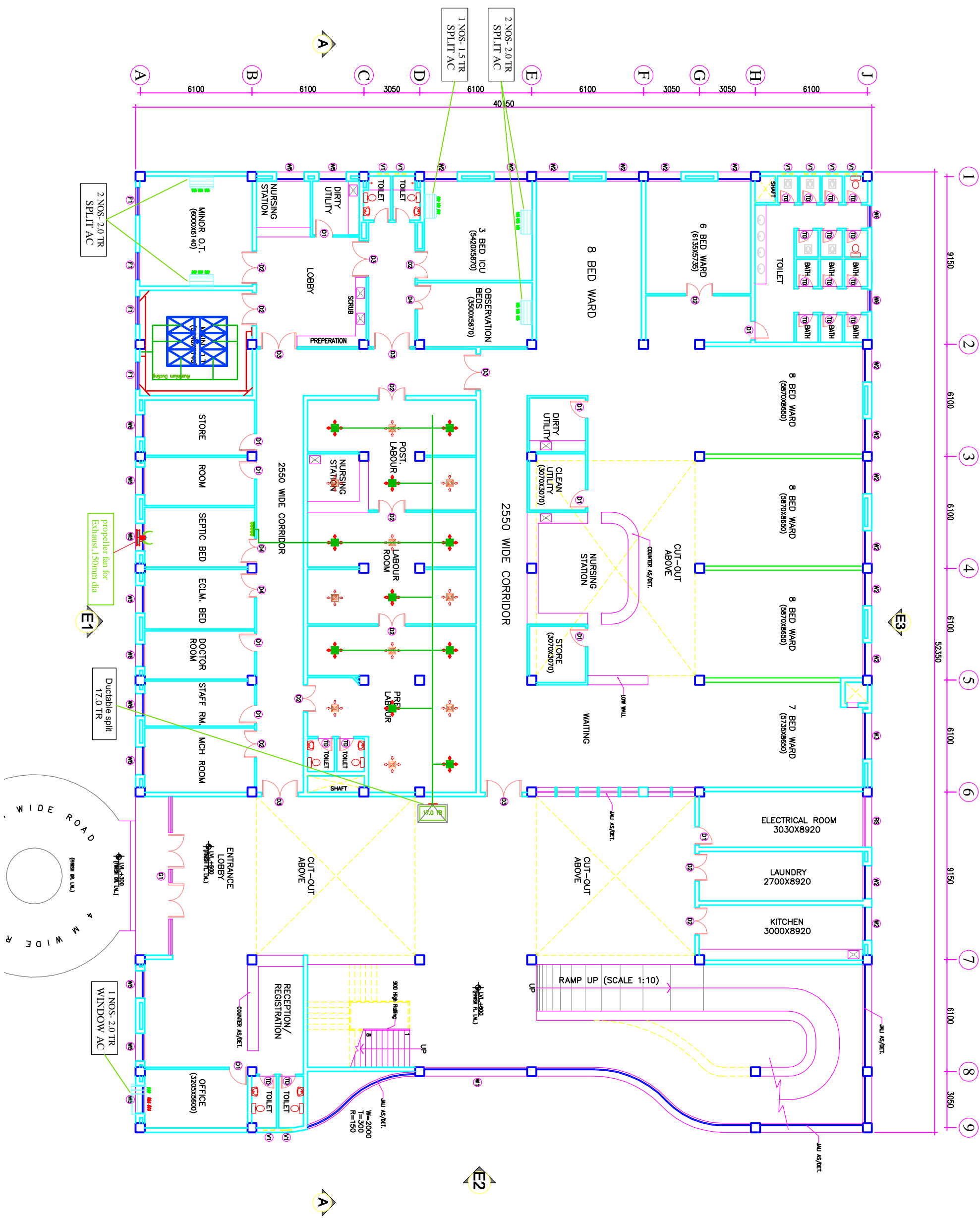
HSCC/D&E/CHATTISGARH/TD/EL-03 R-0
Drawing No. Rev.

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

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TERRACE 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	8500x3000	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

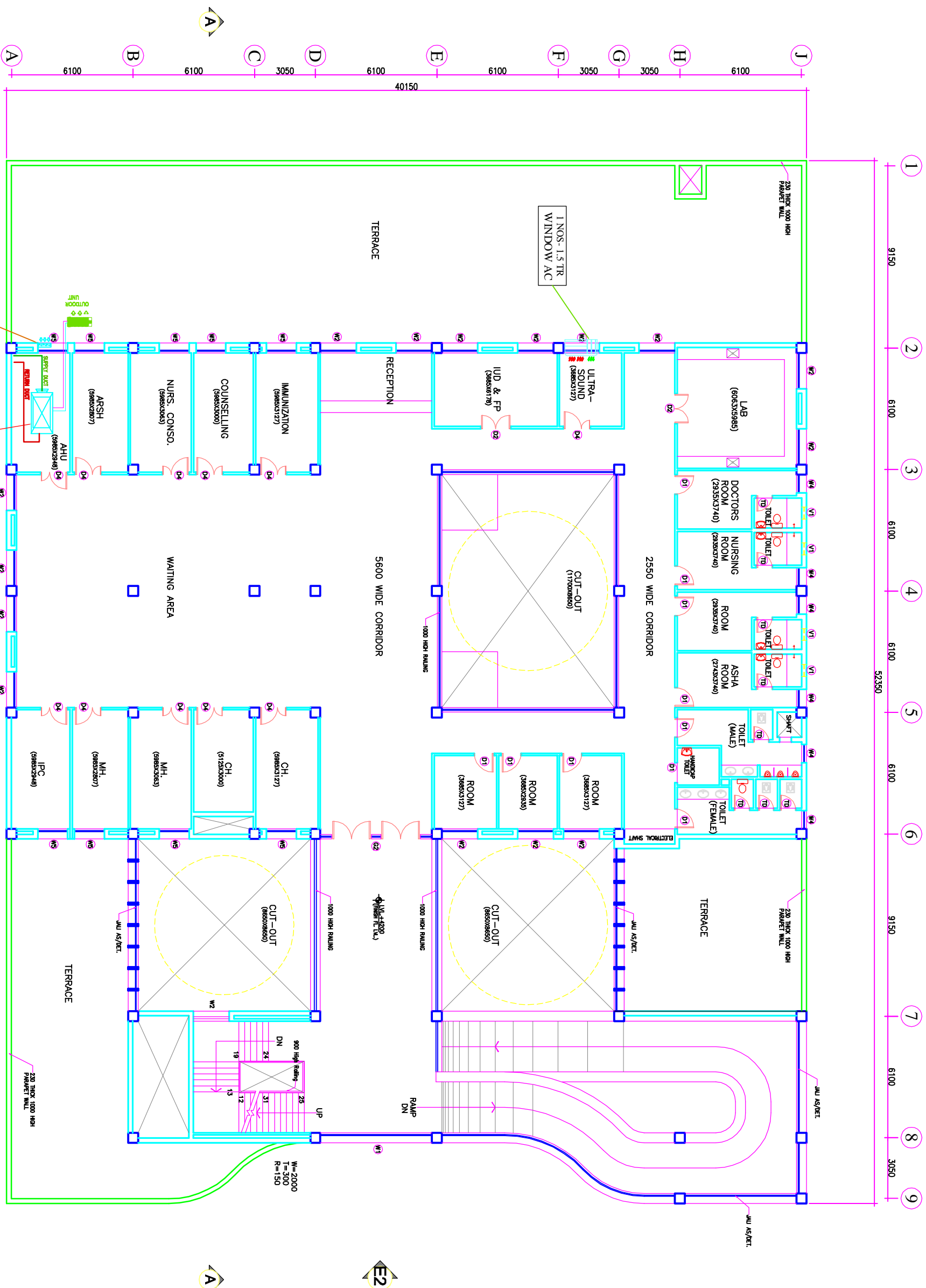
Drawing No. HSCC/08/REV/ACN/RM/CS-58/AC-01 Rev. R-0

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

App by: _____ Rev. by: _____ Prep. by: _____

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NOTES

DOOR AND WINDOW SCHEDULE

SCHEDULE	SIZE	QTY	UNIT	REMARKS
D1	1000x2150	000	2150	
D2	1500x2150	000	2150	DOOR SWITER
D3	2000x2150	000	2150	DOOR SWITER
D4	1350x2150	000	2150	DOOR SWITER
D5	2750x2100	000	3000	DOOR SWITER
D6	850x2100	07/150	3000	DOOR SWITER
D7	5600x3000	07/150	3000	DOOR SWITER
W1	5600x2100	900	3000	BEAM WINDOW
W2	1800x2100	900	3000	
W3	2500x2100	900	3000	
W4	920x2100	900	3000	
W5	1500x2100	900	3000	
W6	1500x2100	900	3000	
W7	1500x2100	900	3000	
W8	1500x2100	900	3000	
W9	1500x2100	900	3000	
W10	600x900	1550	2150	

REV	DATE	DESCRIPTION

PROJECT
RMNCH PROJECT
 Proposed
 50 Bedded Hospital
 of
CHHATTISGARH

TENDER DRAWING
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