

**CHHATTISGARH MEDICAL SERVICES CORPORATION  
LIMITED**

**(Government of Chhattisgarh)**

**Tender**

**For**

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

**Tender Drawings**

**VOLUME-VI**

**December' 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 (III) /01**

**ARCHITECTURE**  
**DRAWINGS**

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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.)

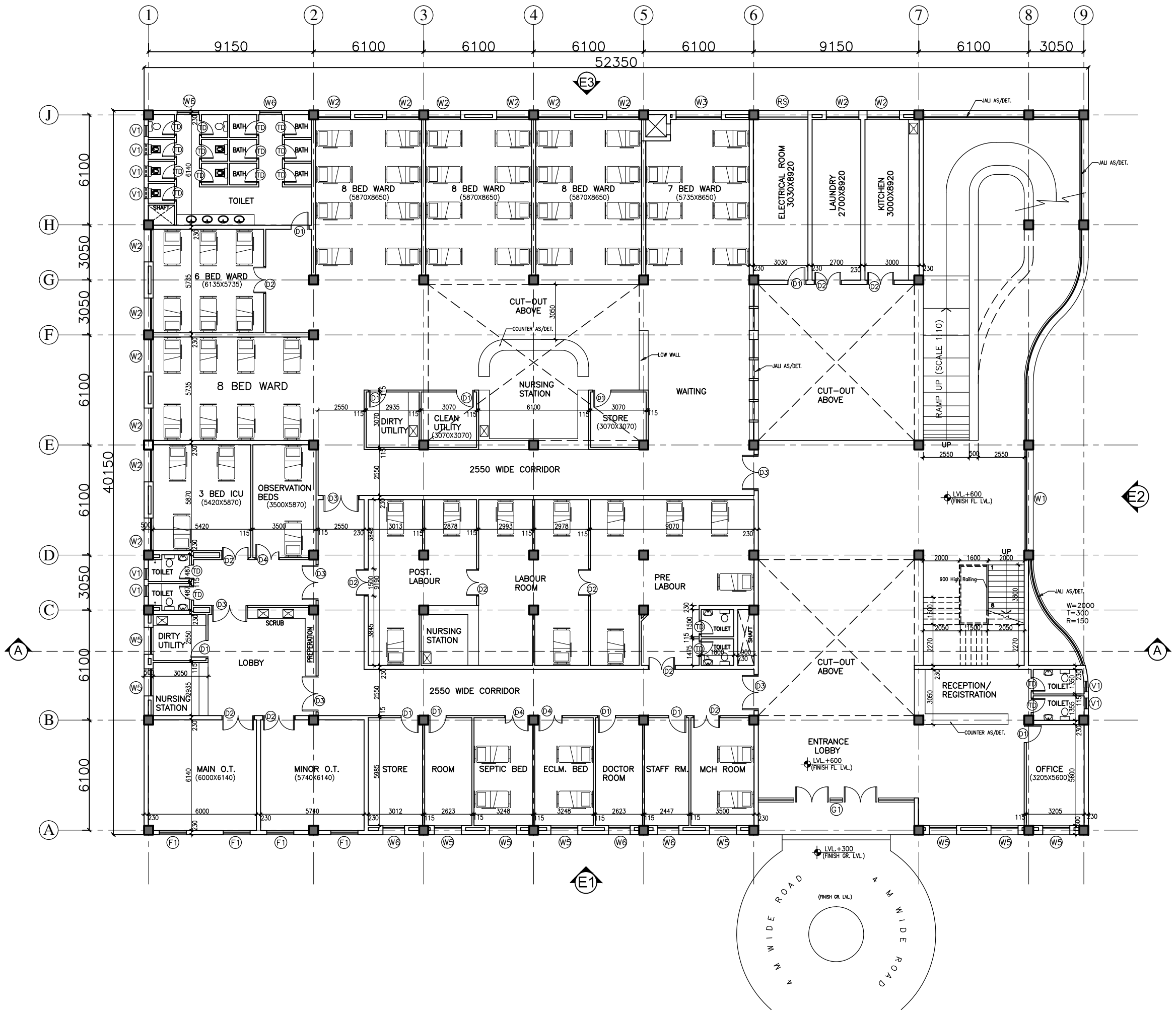
**TENDER DRAWING (ARCH.)**

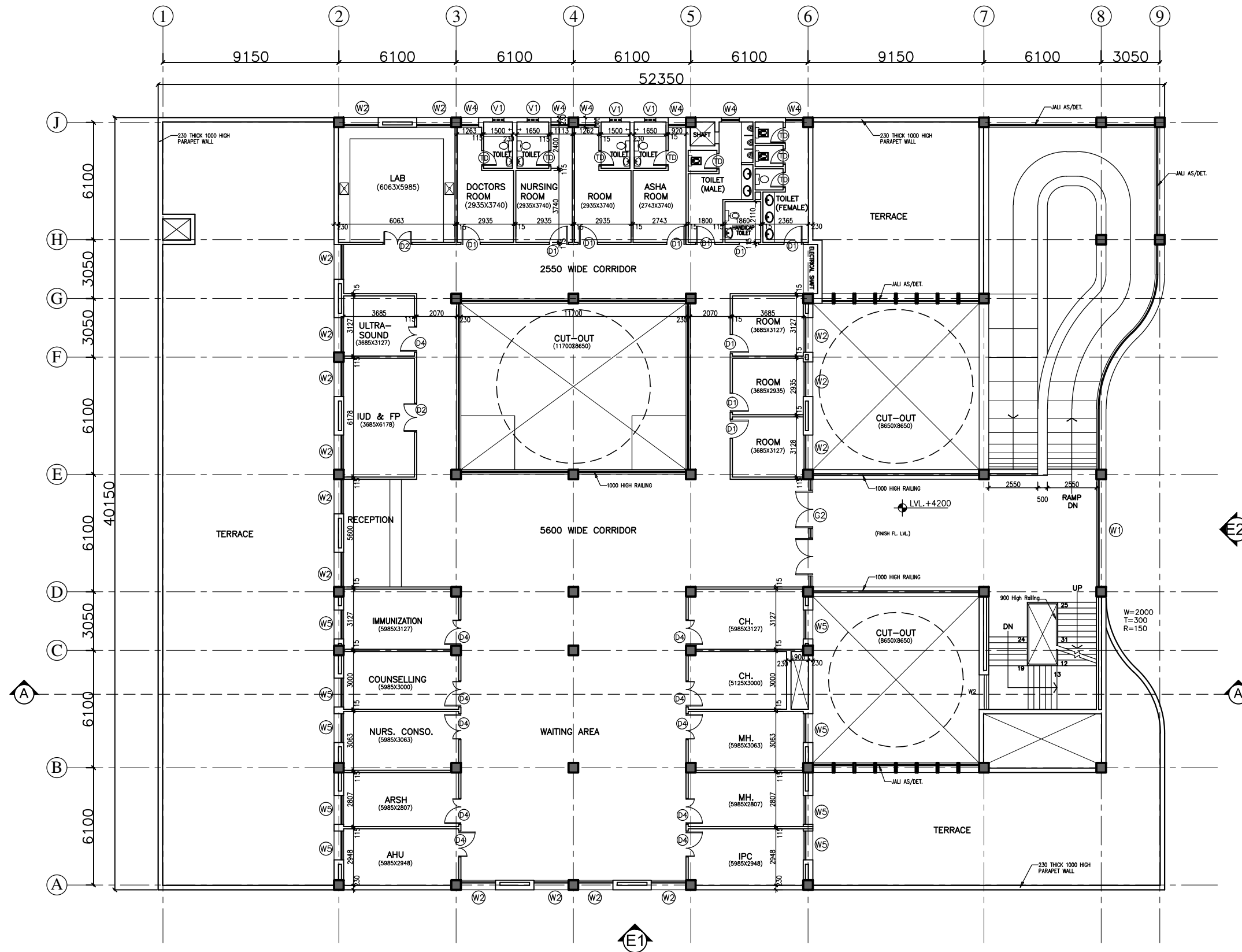
HSCC/CHATTISGARH/TD/002 R-0  
 Drawing No. Rev.

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    | 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  
 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

| 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 |        |                |

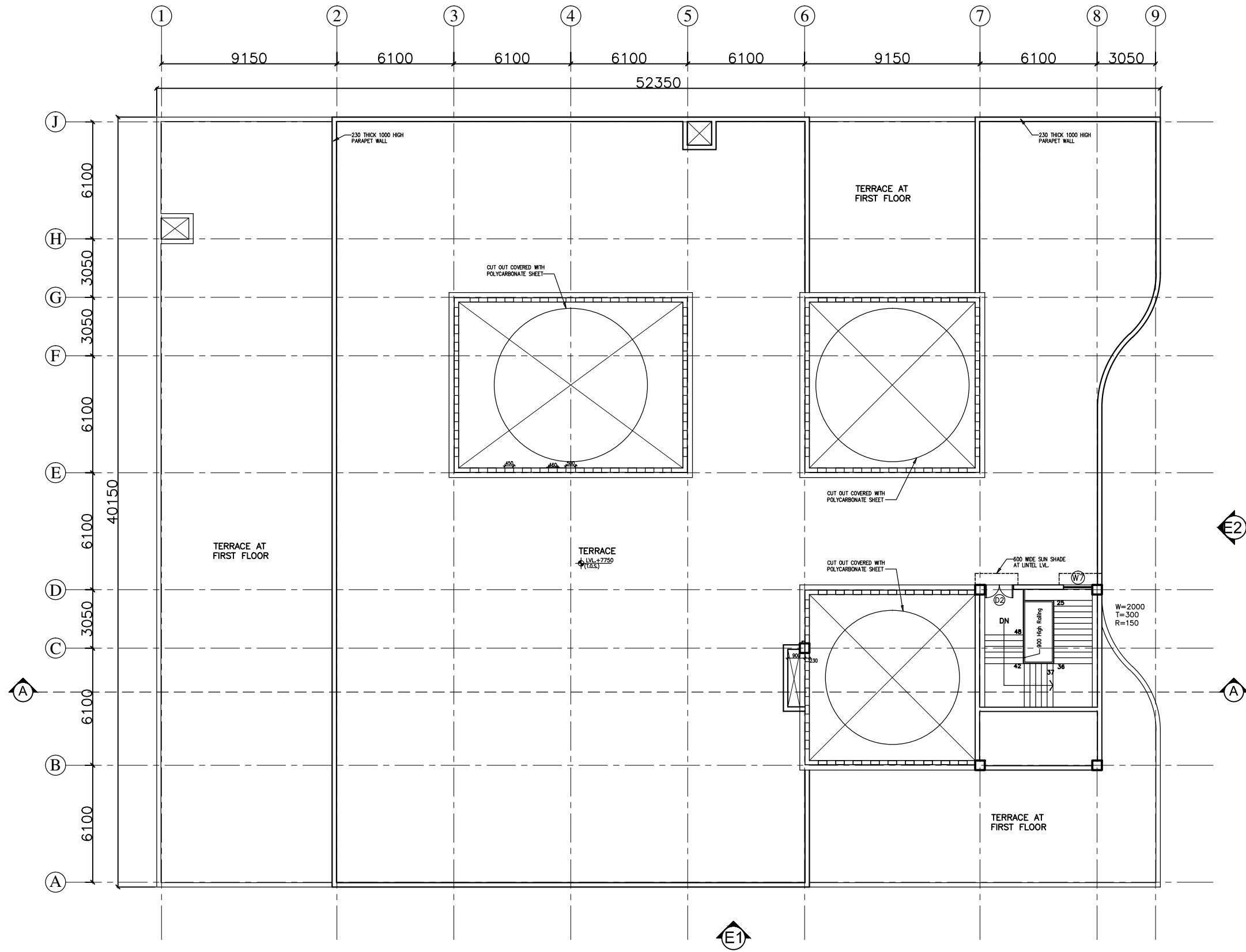
| REV      | DATE | DESCRIPTION |
|----------|------|-------------|
| REVISION |      |             |

**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  
 App by Rev. by Prep. by

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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

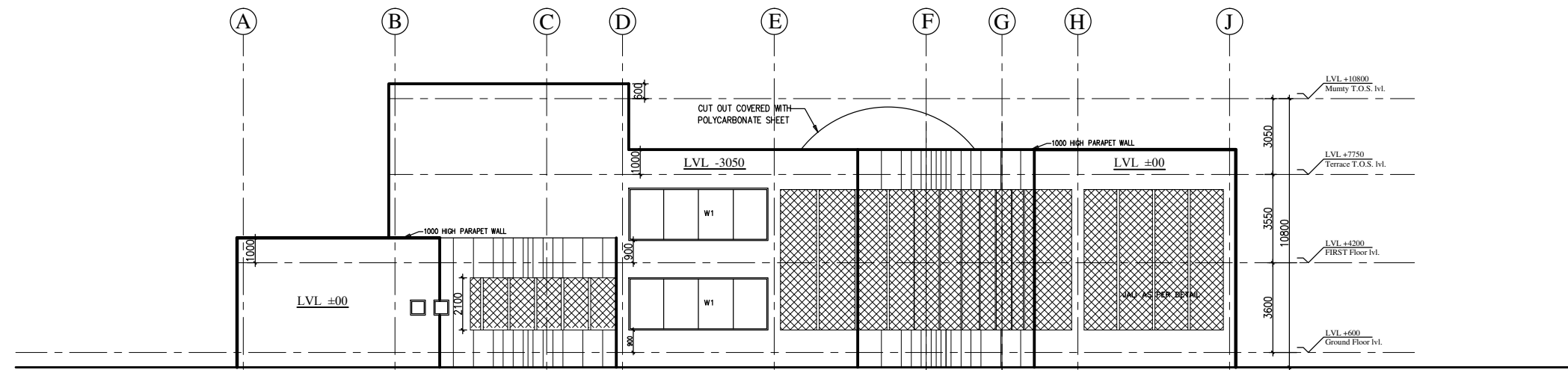
**TENDER DRAWING (ARCH.)**

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

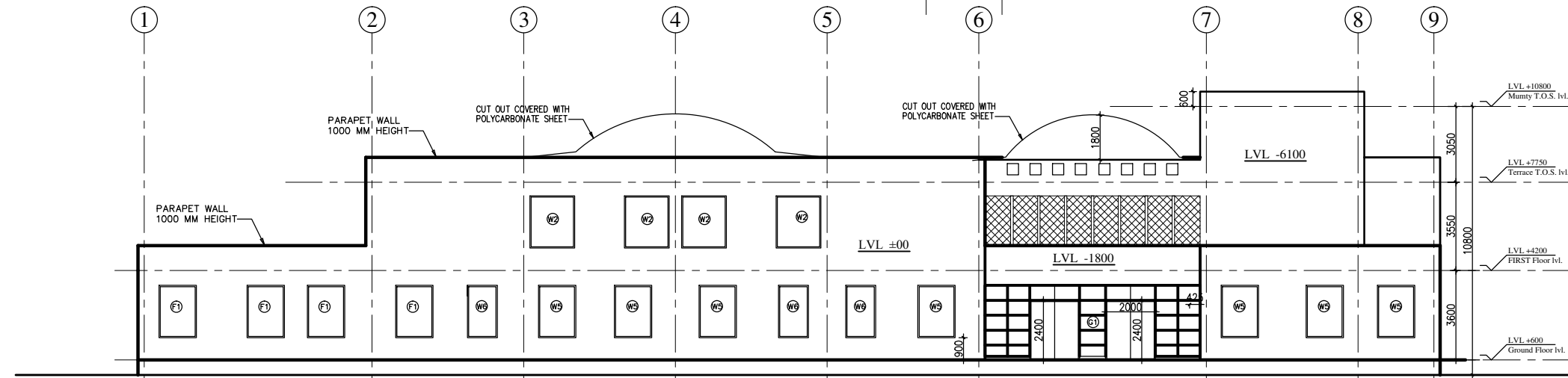
HSCC/- 1:100 12-04-2013  
 Job No. Scale Date

App by Rev. by Prep. by

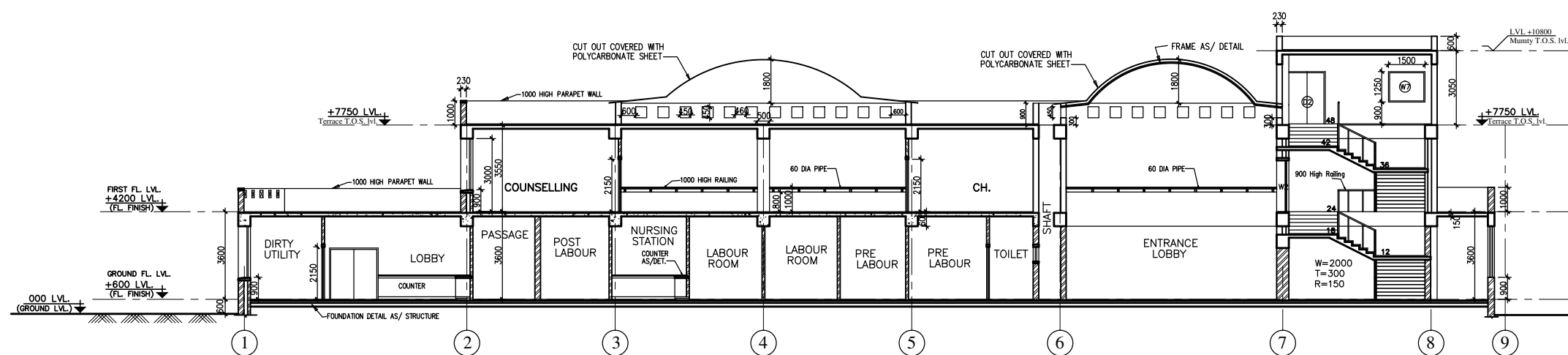
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ELEVATION-E2



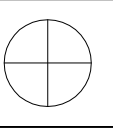
ELEVATION-E1



SECTION A-A

**STRUCTURE**

**DRAWINGS**



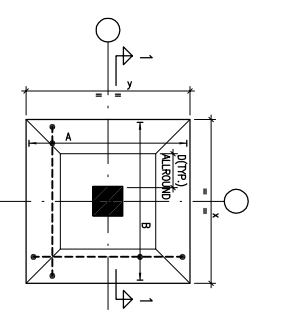
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**NOTES**

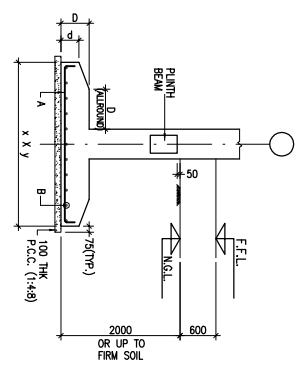
1. ALL DIMENSIONS ARE IN mm & LWS IN m.
2. READ IN CONJUNCTION WITH RELEVANT ARCH. DRG.
3. FINISHED FLOOR LVL TO BE CONFIRMED AS/ARCH. DRGS. THE SLAB TOP LEVEL TO BE WORKED OUT SUABLY CONSIDERING FLOOR FINISH THICKNESS.
4. CLEAR COVER OF R/F TO BE AS BELOW:-  
FOUNDATION = 50mm  
COLUMN = 40mm  
BEAM = 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  $\phi$ . ALL LAPS TO BE PLANNED SUABLY AS PER SITE REQUIREMENT
8. DEVELOPMENT LENGTH = 50xBAR  $\phi$ .
9. SPC ASSUMED 120 kN/m<sup>2</sup> AT 2.0 METER BELOW N.G.L.

**FOOTING SCHEDULE**

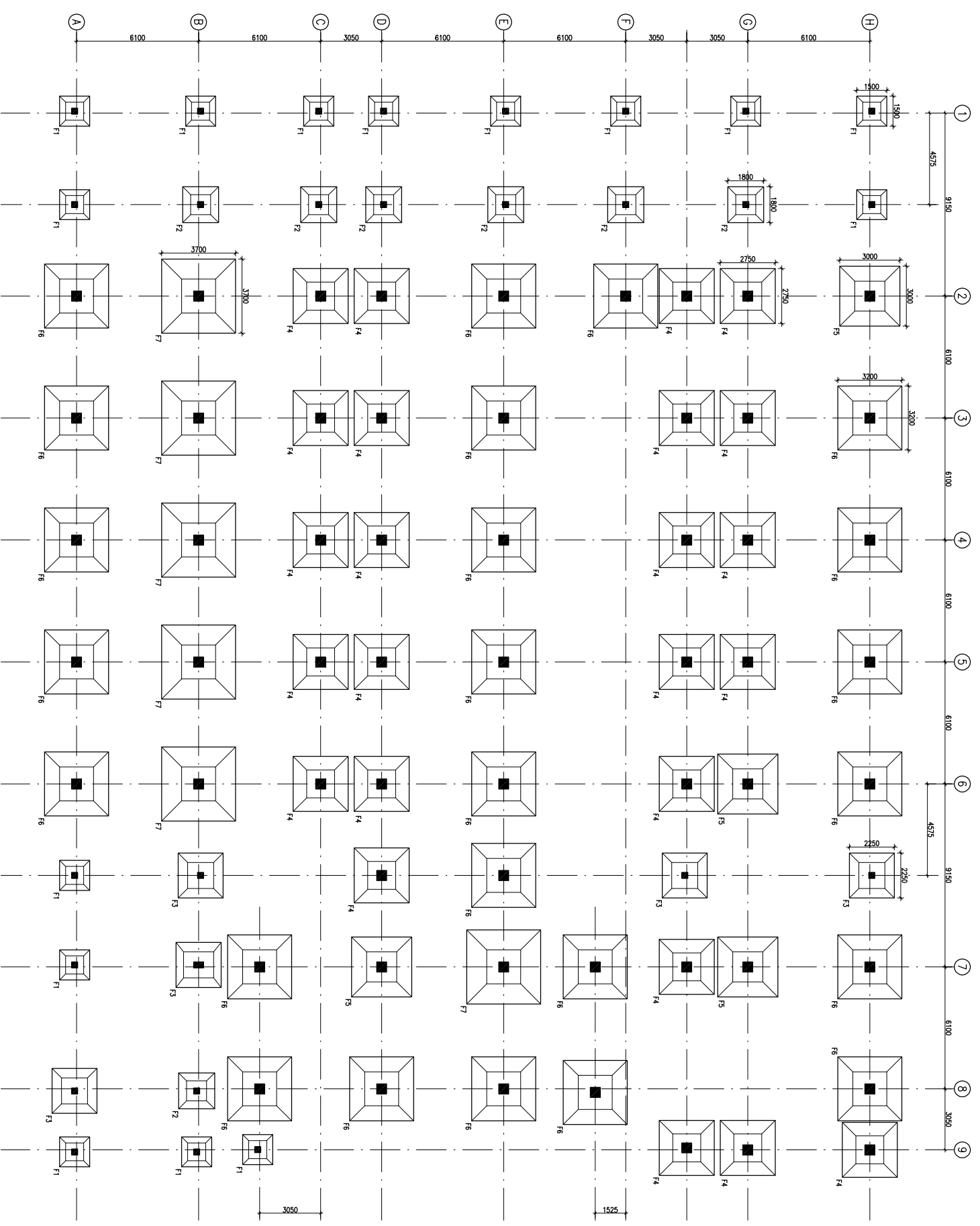
| S.No | MDX. SIZE(X*Y) | THK. (D) | REMARKS |
|------|----------------|----------|---------|
| 1    | F1 1500x1500   | 200      | TAPERED |
| 2    | F2 1800x1800   | 250      | TAPERED |
| 3    | F3 2250x2250   | 250      | TAPERED |
| 4    | F4 2750x2750   | 250      | TAPERED |
| 5    | F5 3000x3000   | 300      | TAPERED |
| 6    | F6 3000x3000   | 300      | TAPERED |
| 7    | F7 3700x3700   | 300      | TAPERED |



TYPICAL DETAIL OF TAPERED FOOTING



SECTION 1-1



FOUNDATION LAYOUT PLAN

| REV. DATE | DESCRIPTION                                       |
|-----------|---|
| 1         | 08.04.13 OVERALL REVISION AS PER ARCH. FOR TENDER |
| 0         | 27.02.13  |

**REVISION**

**PROJECT**

PROPOSED  
50 BEDDED HOSPITAL  
RMNCH PROJECT,  
CHATTISGARH

**TITLE**

FOUNDATION LAYOUT PLAN

**HSCC/RMNC/D&E/ST-T-101**

Drawing No. REV. 1

HSCC/RMNC 1:125 FEB-2013

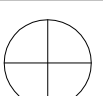
JOB No. SCALE DATE

| APPROVED | REVIEWED | PREPARED |
|----------|----------|----------|
|          |          |          |

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NEW DELHI

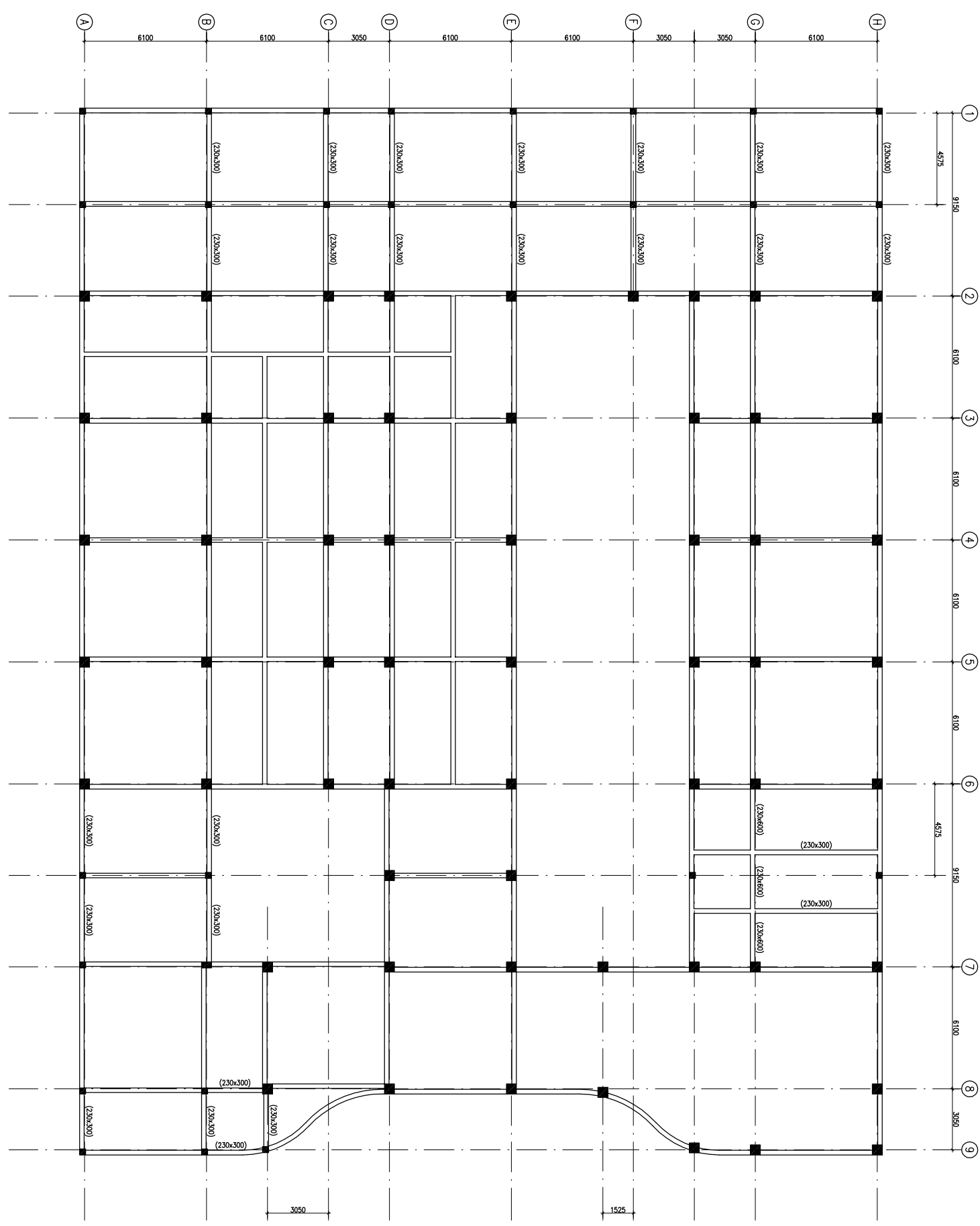
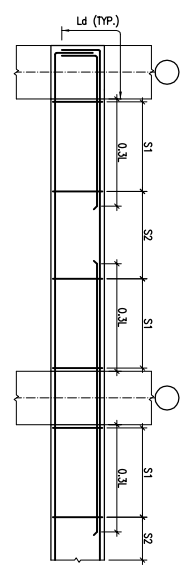




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**NOTES**

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. 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  $\phi$ 6500 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  $\phi$ .



PLINTH BEAM FRAMING PLAN  
(ALL BEAMS SIZE 230x300 U.N.O.)

| REVISION | REVISION | DESCRIPTION                   |
|----------|----------|-------------------------------|
| 1        | 08.04.13 | OVERALL REVISION AS PER ARCH. |
| 0        | 27.02.13 | FOR TENDER                    |

**PROJECT**

PROPOSED  
50 BEDDED HOSPITAL  
RMNCH PROJECT,  
CHATTISGARH

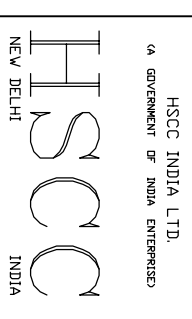
**TITLE**

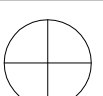
PLINTH BEAM FRAMING PLAN

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

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

|          |          |          |
|----------|----------|----------|
| APPROVED | REVIEWED | PREPARED |
|----------|----------|----------|





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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  $\phi$ 6300 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. DEVELOPMENT LENGTH = 50xBAR  $\phi$ .



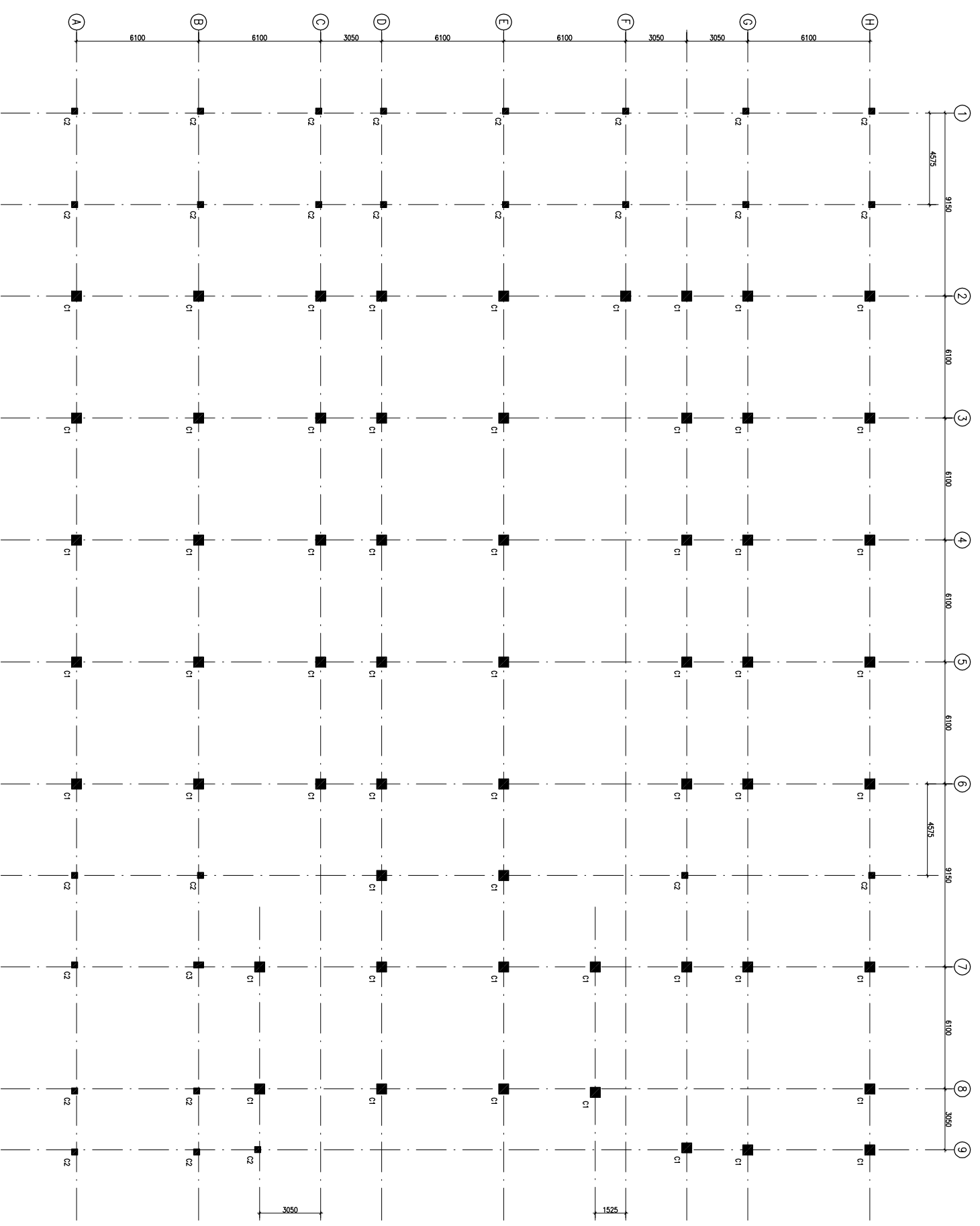
COLUMN MKD. C1



COLUMN MKD. C2



COLUMN MKD. C3



COLUMN LAYOUT PLAN

| REVISION | REVY DATE | DESCRIPTION                   |
|----------|-----------|-------------------------------|
| 1        | 08.04.13  | OVERALL REVISION AS PER ARCH. |
| 0        | 27.02.13  | FOR TENDER                    |

**PROJECT**

PROPOSED  
50 BEDDED HOSPITAL  
RMNCH PROJECT,  
CHATTISGARH

**TITLE**

COLUMN LAYOUT PLAN

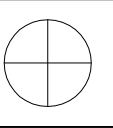
HSCC/RMNC/D&E/ST-T-102

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

|          |          |          |
|----------|----------|----------|
| APPROVED | REVIEWED | PREPARED |
|----------|----------|----------|

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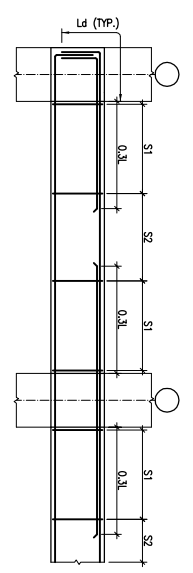
**HSCC**  
INDIA  
NEW DELHI



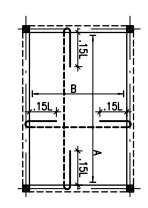
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**NOTES**

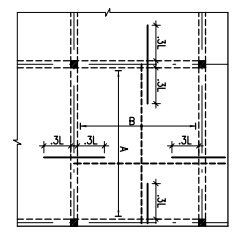
1. ALL DIMENSIONS ARE IN mm & LVL'S IN m.
2. READ IN CONJUNCTION WITH RELEVANT ARCH. DRG.
3. FINISHED FLOOR LVL TO BE CONFIRMED AS/ARCH. DRGS. THE SLAB TOP LEVEL TO BE WORKED OUT SUITABLY CONSIDERING FLOOR FINISH THICKNESS.
4. CLEAR COVER OF R/F TO BE AS BELOW:-  
FOUNDATION = 50mm  
COLUMN = 40mm  
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  $\phi$ 6300 Mpa. HYSD OR TMT STEEL AS PER IS:1786.
7. ALL LAP LENGTHS = 50xSMALLER BAR  $\phi$ . SITE REQUIREMENT
8. DEVELOPMENT LENGTH = 50xBAR  $\phi$ .



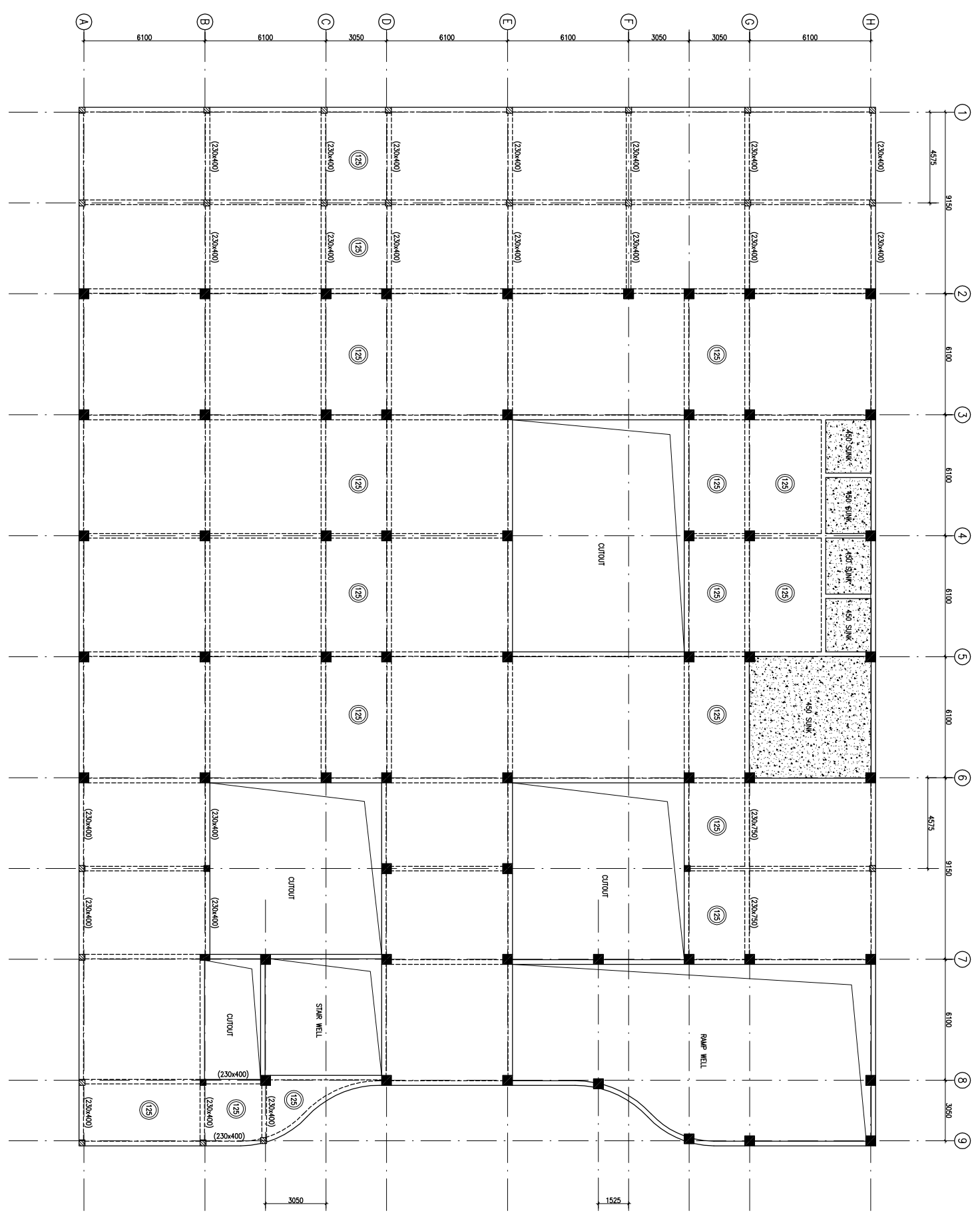
TYP. BEAM R/F DETAILS



TYP. SUNKEN SLAB R/F DETAIL



TYP. SLAB R/F DETAIL



| REVISION | REV. DATE | DESCRIPTION                   |
|----------|-----------|-------------------------------|
| 1        | 08.04.13  | OVERALL REVISION AS PER ARCH. |
| 0        | 27.02.13  | FOR TENDER                    |

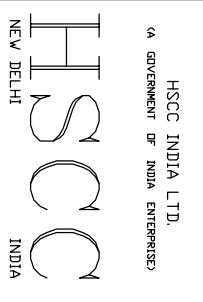
**PROJECT**

PROPOSED  
50 BEDDED HOSPITAL  
RMNCH PROJECT,  
CHATTISGARH

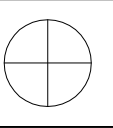
**TITLE**

FIRST FLOOR BEAM FRAMING PLAN  
HSCC/RMNC/D&E/ST-T-104

|             |          |
|-------------|----------|
| Drawing No. | REV. 1   |
| HSCC/RMNC   | FEB-2013 |
| JOB No.     | SCALE    |
| DATE        | DATE     |
| APPROVED    | REVIEWED |
| PREPARED    |          |



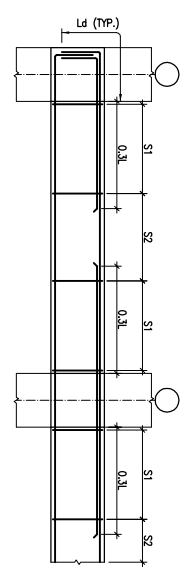
FIRST FLOOR BEAM FRAMING PLAN  
(ALL BEAMS SIZE 230x400 U.N.O.) & (SLAB THICKNESS 150mm U.N.O.)



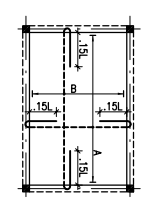
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**NOTES**

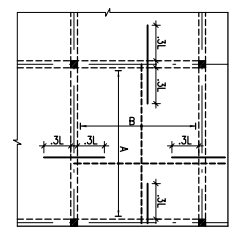
1. ALL DIMENSIONS ARE IN mm & LVLS IN m.
2. READ IN CONJUNCTION WITH RELEVANT ARCH. DRG.
3. FINISHED FLOOR LVL TO BE CONFIRMED AS/ARCH. DRGS. THE SLAB TOP LEVEL TO BE WORKED OUT SUABLY CONSIDERING FLOOR FINISH THICKNESS.
4. CLEAR COVER OF R/F TO BE AS BELOW:-  
FOUNDATION = 50mm  
COLUMN = 40mm  
BEAM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



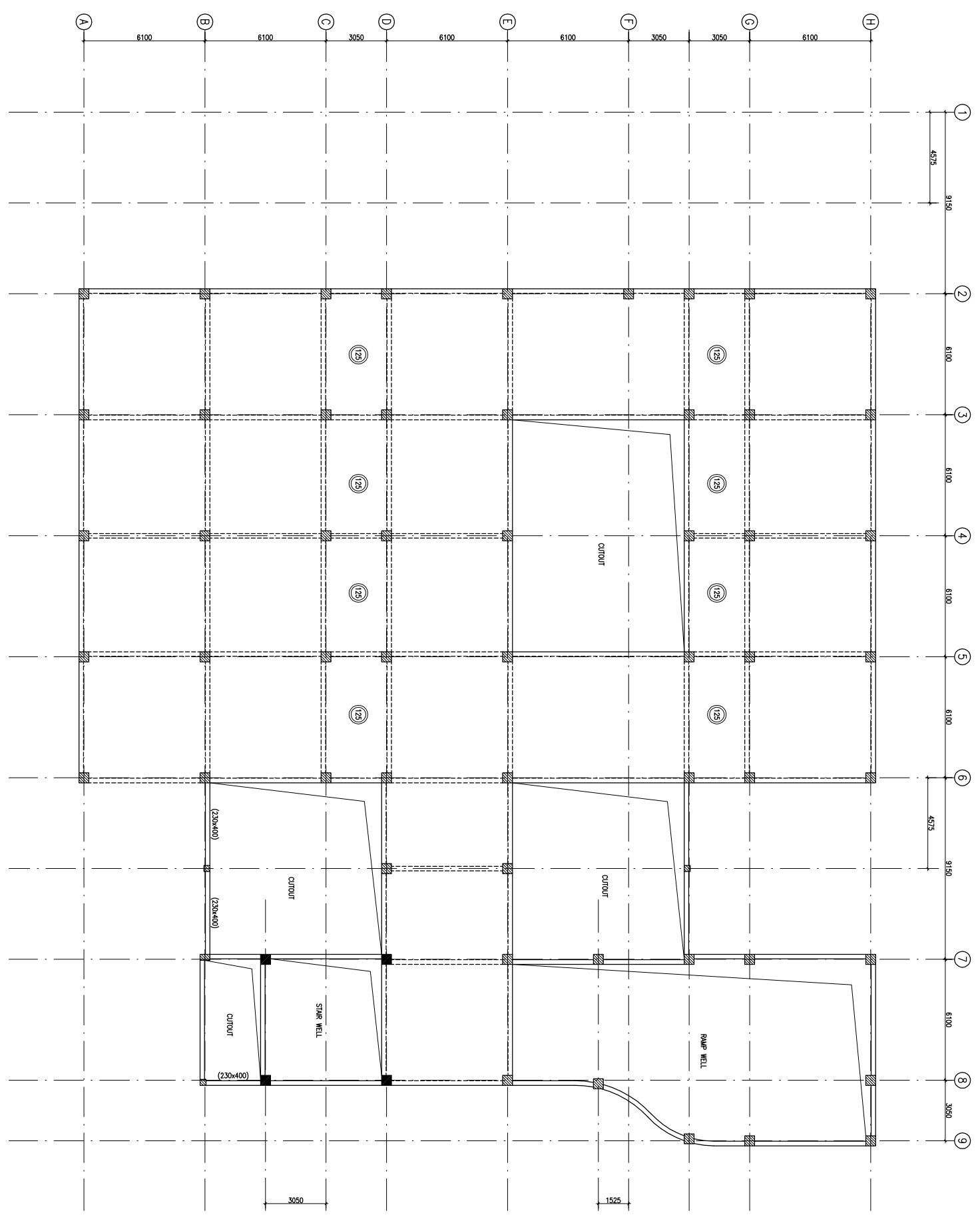
TYP. BEAM R/F DETAILS



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.)

| REVISION | REV. DATE | DESCRIPTION                   |
|----------|-----------|-------------------------------|
| 1        | 08.04.13  | OVERALL REVISION AS PER ARCH. |
| 0        | 27.02.13  | FOR TENDER                    |

**PROJECT**

PROPOSED  
50 BEDDED HOSPITAL  
RMNCH PROJECT,  
CHATTISGARH

**TITLE**

TERRACE LVL. BEAM FRAMING PLAN

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

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

|          |          |          |
|----------|----------|----------|
| APPROVED | REVIEWED | PREPARED |
|----------|----------|----------|

