

**Amendment - 2**

**Name of Work :** Construction of International Hostel for National Institute of Health & Family Welfare (NIHFW) at Munirka, New Delhi.

**Tender Reference :** Tender No. HSCC/NIHFW/HOSTEL/2012

**Amendment in Vol II (General Conditions of Contract)**

**At P-I-6 (Sr. No. 52.3 of Index)**

'Variations exceeding 25%' may be read as 'Variations exceeding 50%'

**Vol. VI**

**Tender Drawings (Amended) are also enclosed.**

**GM (Projects), HSCC (I) Ltd**

**National Institute of Health & Family Welfare (NIHFW), Munirka, New  
Delhi.**

**Tender**

**For**

**Construction of International Hostel for National Institute of Health & Family  
Welfare (NIHFW) at Munirka, New Delhi.**

**TENDER DRAWINGS AMENDED**

**Volume-VI**

**October' 2012**



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/NIHFW/HOSTEL/2012**

**Construction of International Hostel for National Institute of Health & Family Welfare (NIHFW) at Munirka, New Delhi.**

**LIST OF DRAWINS**

**Qty**

**ARCHITECHTURE**

Sl. No.	Description	Draw ing/Doc. No.	
1	Site Plan	NIHFW -01C	1
2	Ground Floor Plan	NIHFW -02	1
3	First Floor Plan	NIHFW -03	1
4	Second Floor Plan	NIHFW -04	1
5	Terrace Floor Plan	NIHFW -06	1
6	Front & Left Side Elevation	NIHFW -07 (R-1)	1
7	Rear & Right Side Elevation	NIHFW -08 (R-1)	1
8	Section at 1-1, 2-2 Elevation	NIHFW -09 (R-1)	1

**STRUCTURE DRAWINGS**

1	Foundation Layout plan	HSCC/NIHFW/IH/D&E/TD -101	1
2	Column layout plan	HSCC/NIHFW/IH/D&E/TD -102	1
3	Plinth beam framing plan	HSCC/NIHFW/IH/D&E/TD -103	1
4	First floor framing plan	HSCC/NIHFW/IH/D&E/TD -104	1
5	Second floor framing plan	HSCC/NIHFW/IH/D&E/TD -105	1
6	Terrace floor framing plan	HSCC/NIHFW/IH/D&E/TD -107	1

**PHE DRAWINGS**

1	Ground Floor Plan	HSCC/D&E/TD/NIHFW/PL -01	1
2	First Floor Plan	HSCC/D&E/TD/NIHFW/PL -02	1
3	Second Floor Plan	HSCC/D&E/TD/NIHFW/PL -03	1
4	Terrace Floor Plan	HSCC/D&E/TD/NIHFW/PL -05	1

**ELECTRICAL DRAWINGS**

1	Electrical layout Ground Floor Plan	HSCC/ / NIHFW/IH/EL -01	1
2	Electrical layout First Floor Plan	HSCC/ / NIHFW/IH/EL -02	1
3	Electrical layout Second Floor Plan	HSCC/ / NIHFW/IH/EL -03	1
4	Electrical layout Terrace Floor Plan	HSCC/ / NIHFW/IH/EL -05	1

**HVAC WORKS DRAWINGS**

1	HVAC layout at Ground Floor Plan	HSCC/D&E/HVAC/INT-H/MUN-01	1
2	HVAC layout at First Floor Plan	HSCC/D&E/HVAC/INT-H/MUN-02	1
3	HVAC layout at Second Floor Plan	HSCC/D&E/HVAC/INT-H/MUN-03	1







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**NOTES**

**SCHEDULE OF OPENING**

S.NO	TYPE	SIZE	CILL	LINTEL
1.	DI	1500 X 2100	00	2100
2.	DI	1500 X 2100	00	2100
3.	DI	1000 X 2100	00	2100
4.	DI	1000 X 2100	00	2100
5.	DI	750 X 2100	00	2100
6.	DI	1500 X 2100	00	2100
7.	DI	1500 X 2100	00	2100
8.	DI	1500 X 2100	00	2100
9.	DI	1000 X 2100	00	2100
10.	DI	1000 X 2100	00	2100
11.	DI	1000 X 2100	00	2100
12.	DI	1000 X 2100	00	2100
13.	DI	1000 X 2100	00	2100
14.	DI	1000 X 2100	00	2100
15.	DI	1000 X 2100	00	2100
16.	DI	1000 X 2100	00	2100
17.	DI	1000 X 2100	00	2100
18.	DI	1000 X 2100	00	2100
19.	DI	1000 X 2100	00	2100
20.	DI	1000 X 2100	00	2100
21.	DI	1000 X 2100	00	2100
22.	DI	1000 X 2100	00	2100
23.	DI	1000 X 2100	00	2100
24.	DI	1000 X 2100	00	2100
25.	DI	1000 X 2100	00	2100

**TENDER DRAWING**

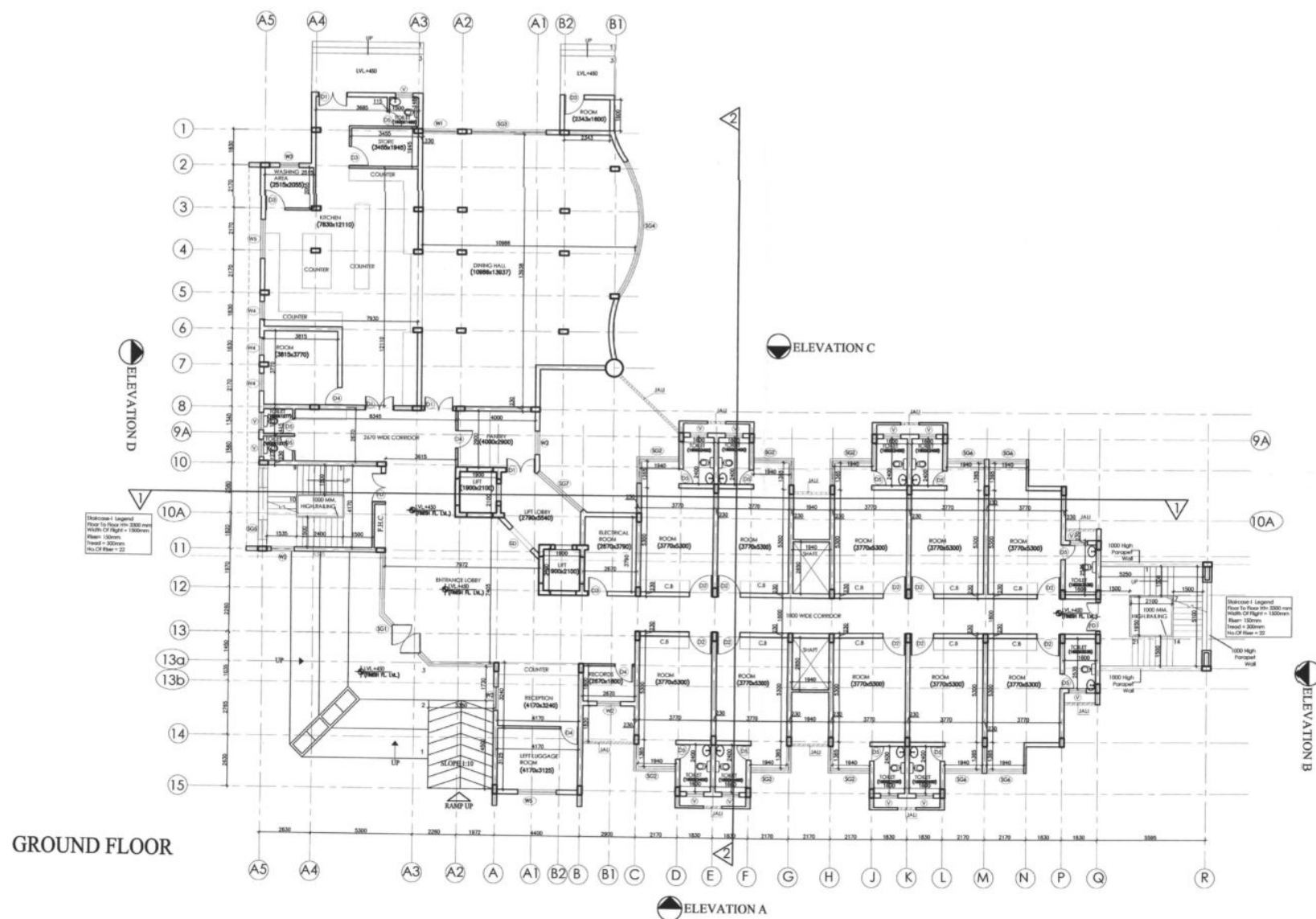
**PROJECT**  
National Institute of Health & Family Welfare at Munirka, DELHI

**TITLE**  
INTERNATIONAL HOSTEL BLOCK  
(PROPOSED GROUND FLOOR PLAN)

<b>NIHFW-02</b>	
Drawing No.	REV.
1:100 Scale	OCT/2012 Date
App by	Rev. by
	Prep. by

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

**HSCC**  
3



**GROUND FLOOR**

Material Legend  
Floor to floor 2000 mm  
Width of flight = 1000mm  
Riser = 150mm  
Tread = 300mm  
No. Of Rise = 22

Material Legend  
Floor to floor 2000 mm  
Width of flight = 1000mm  
Riser = 150mm  
Tread = 300mm  
No. Of Rise = 22



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**NOTES**

**SCHEDULE OF OPENING**

S.NO	TYPE	SIZE	CILL	LINTEL
1.	CH	1000 X 2100	00	2100
2.	DE	1200 X 2100	00	2100
3.	TR	1000 X 2100	00	2100
4.	CH	900 X 2100	00	2100
5.	DE	750 X 2100	00	2100
6.	TR	1000 X 2100	00	2100
7.	SD	1000 X 2100	00	2100
8.	SC	1200 X 2100	00	2600
9.	SC	1000 X 2100	00	2600
10.	SC	550 X 1900	00	3600
11.	SC	380 X 1900	00	3600
12.	SC	1420 X 1900	00	3600
13.	SC	1000 X 1900	00	3600
14.	SC	1140 X 1900	00	3600
15.	SC	2000 X 1900	00	3600
16.	SC	1882 X 1900	00	3600
17.	WF	1000x1000	100	4000
18.	WF	1200x1000	100	2700
19.	WF	1000x1000	1000	3100
20.	WF	900 X 2000	100	3700
21.	WF	2000 X 2000	100	3700
22.	WF	1700 X 2000	100	3700
23.	WF	1740 X 2000	100	3700
24.	V	900 X 1000	1000	3700
25.	DM	1000 X 2100	00	3100

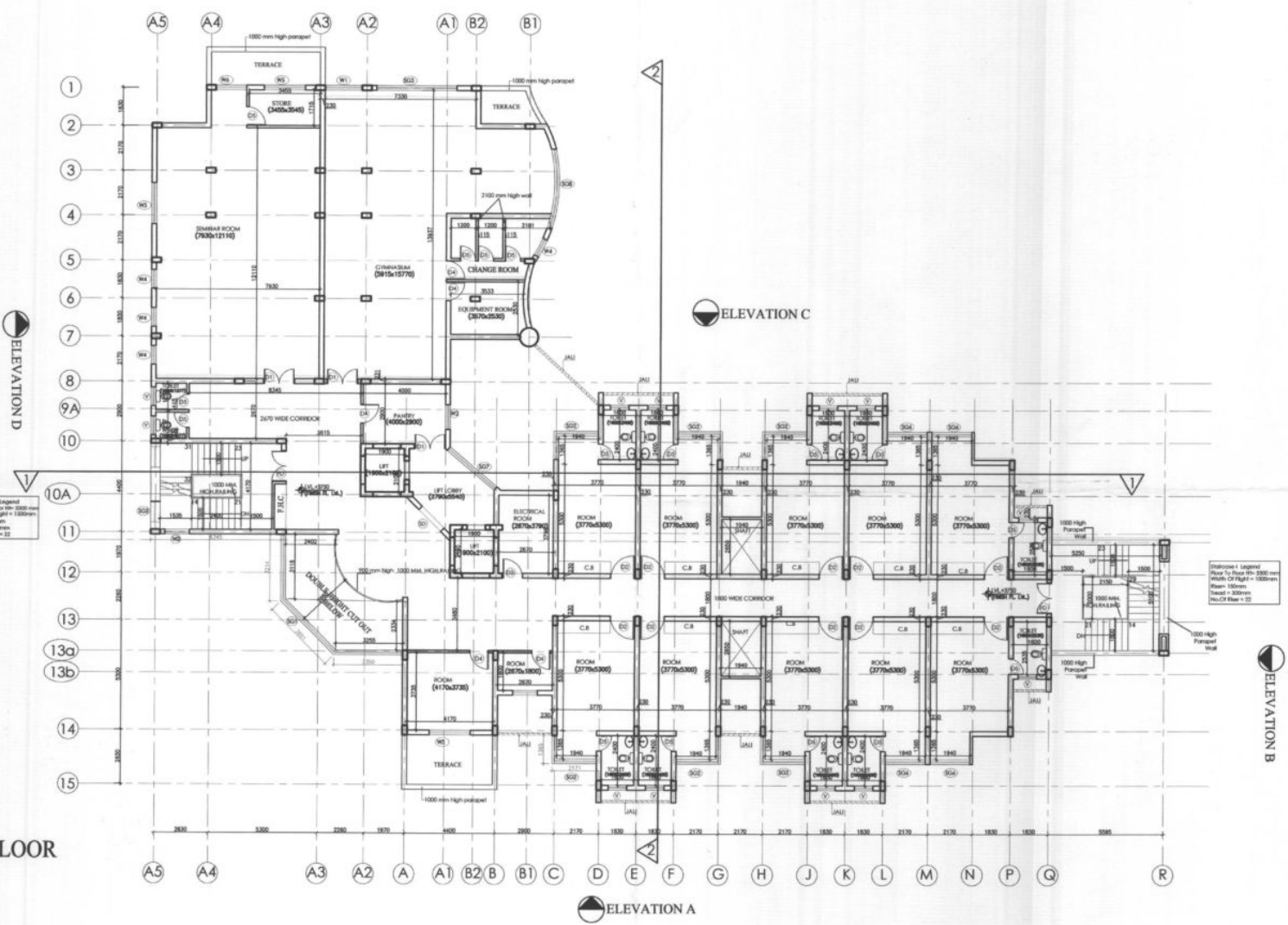
**TENDER DRAWING**

**PROJECT**  
National Institute of Health & Family Welfare at Munirka, DELHI

**TITLE**  
INTERNATIONAL HOSTEL BLOCK  
(PROPOSED FIRST FLOOR PLAN)

<b>NIHFV-03</b>	
Drawing No.	REV.
1:100 Scale	OCT/2012 Date
App by	Rev by
	Prep. by

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**HSCC**



**FIRST FLOOR**



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**NOTES**

**SCHEDULE OF OPENING**

S.NO	TYPE	SIZE	CILL	LINTEL
1.	DO	1600 x 2100	00	2100
2.	DO	1200 x 2100	00	2100
3.	DO	1000 x 2100	00	2100
4.	DO	900 x 2100	00	2100
5.	DO	750 x 2100	00	2100
6.	DO	1500 x 2100	00	2100
7.	DO	1500 x 2100	00	2100
8.	DO	1200 x 2100	00	2100
9.	DO	1000 x 2100	00	2100
10.	DO	2500 x 1900	00	2400
11.	DO	2800 x 1900	00	2400
12.	DO	2400 x 1900	00	2400
13.	DO	1800 x 1900	00	2400
14.	DO	1540 x 1900	00	2400
15.	DO	2900 x 1900	00	2400
16.	DO	2800 x 1900	00	2400
17.	DO	1800x2400	150	4000
18.	DO	1200x1600	100	1600
19.	DO	1000 x1800	100	1800
20.	DO	900 x 2500	100	2500
21.	DO	2000 x 2500	100	2500
22.	DO	1700 x 2500	100	2500
23.	DO	2940 x 2500	100	2500
24.	DO	1600 x 2100	00	2100
25.	DO	1940 x 2100	00	2100

**TENDER DRAWING**

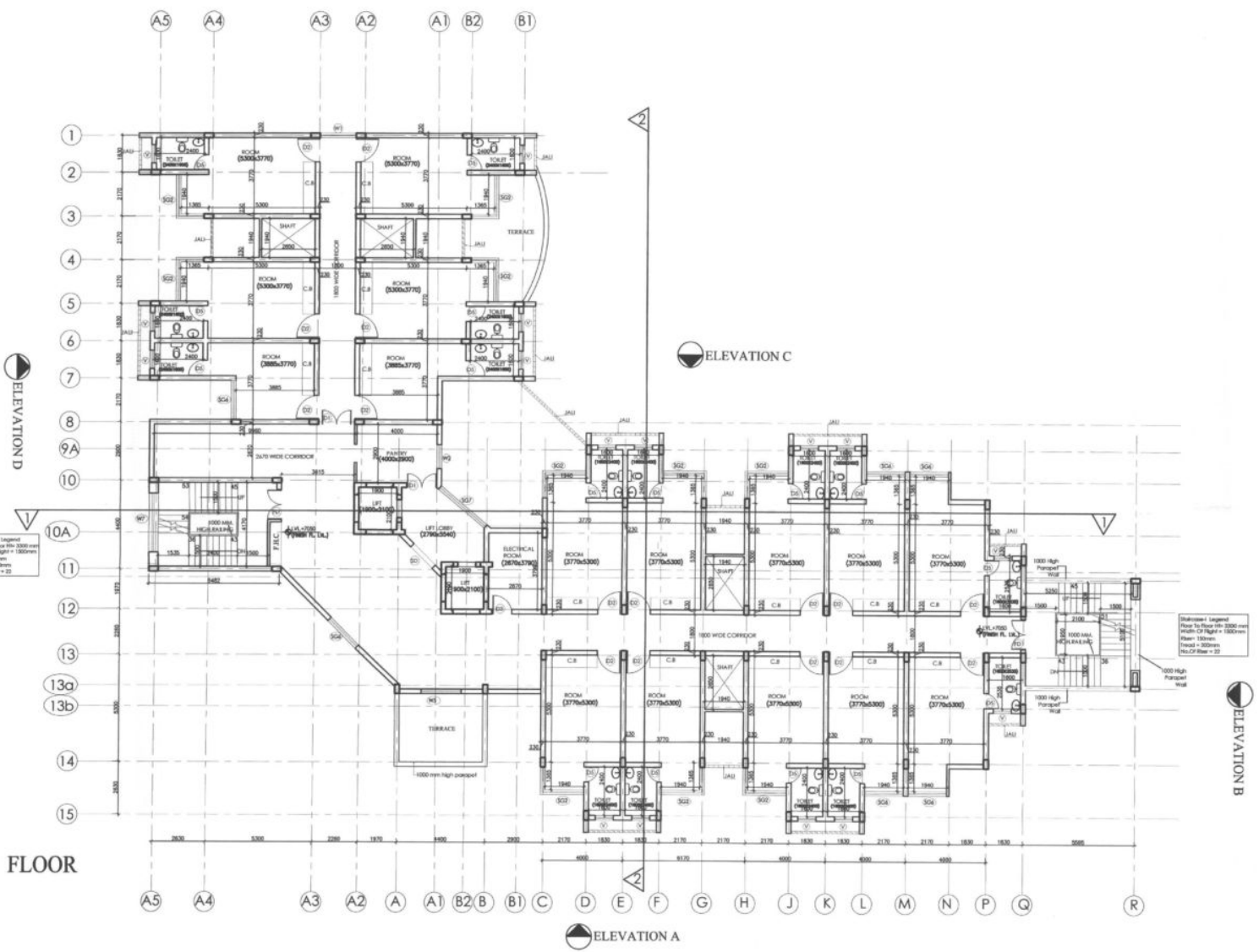
**PROJECT**  
National Institute of Health & Family Welfare at Munirka, DELHI

**TITLE**  
INTERNATIONAL HOSTEL BLOCK  
(PROPOSED SECOND FLOOR PLAN)

NIHFW-04	
Drawing No.	REV.
1:100	OCT/2012
Scale	Date
App by	Rev by
Prep. by	

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**HSCC**



Reference Legend  
Room to Floor 00-1000mm  
Width of Right = 1000mm  
Room = 1000mm  
Head = 3000mm  
No. of Floor = 00

Reference Legend  
Room to Floor 00-1000mm  
Width of Right = 1000mm  
Room = 1000mm  
Head = 3000mm  
No. of Floor = 00

**SECOND FLOOR**

ELEVATION D

ELEVATION C

ELEVATION B

ELEVATION A



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NOTES

SCHEDULE OF OPENING

S.NO	TYPE	SIZE	COLL.	LINTEL
1.	DT	1000 x 1100	50	2100
2.	DT	1000 x 2100	50	2100
3.	DT	1000 x 2100	50	2100
4.	DT	900 x 2100	50	2100
5.	DT	750 x 2100	50	2100
6.	DT	1000 x 2100	50	2100
7.	DT	1000 x 2100	50	2100
8.	DT	1000 x 2100	50	2600
9.	SCJ	10010 x 2100	50	2600
10.	SCJ	5004 x 9000	50	3600
11.	SCJ	2008 x 9000	50	3600
12.	SCJ	2100 x 9000	50	3600
13.	SCJ	1000 x 9000	50	3600
14.	SCJ	1145 x 9000	50	3600
15.	SCJ	2012 x 9000	50	3600
16.	SCJ	2005 x 9000	50	3600
17.	WT	1800x900	100	4800
18.	WT	1500x900	100	3700
19.	WT	1000 x 800	100	3100
20.	WT	900 x 2500	100	3700
21.	WT	2000 x 2500	100	3700
22.	WT	1750 x 2500	100	3700
23.	WT	2042 x 2500	100	3700
24.	V	190 x 1,000	100	3700
25.	DT	1100 x 2,000	50	3100

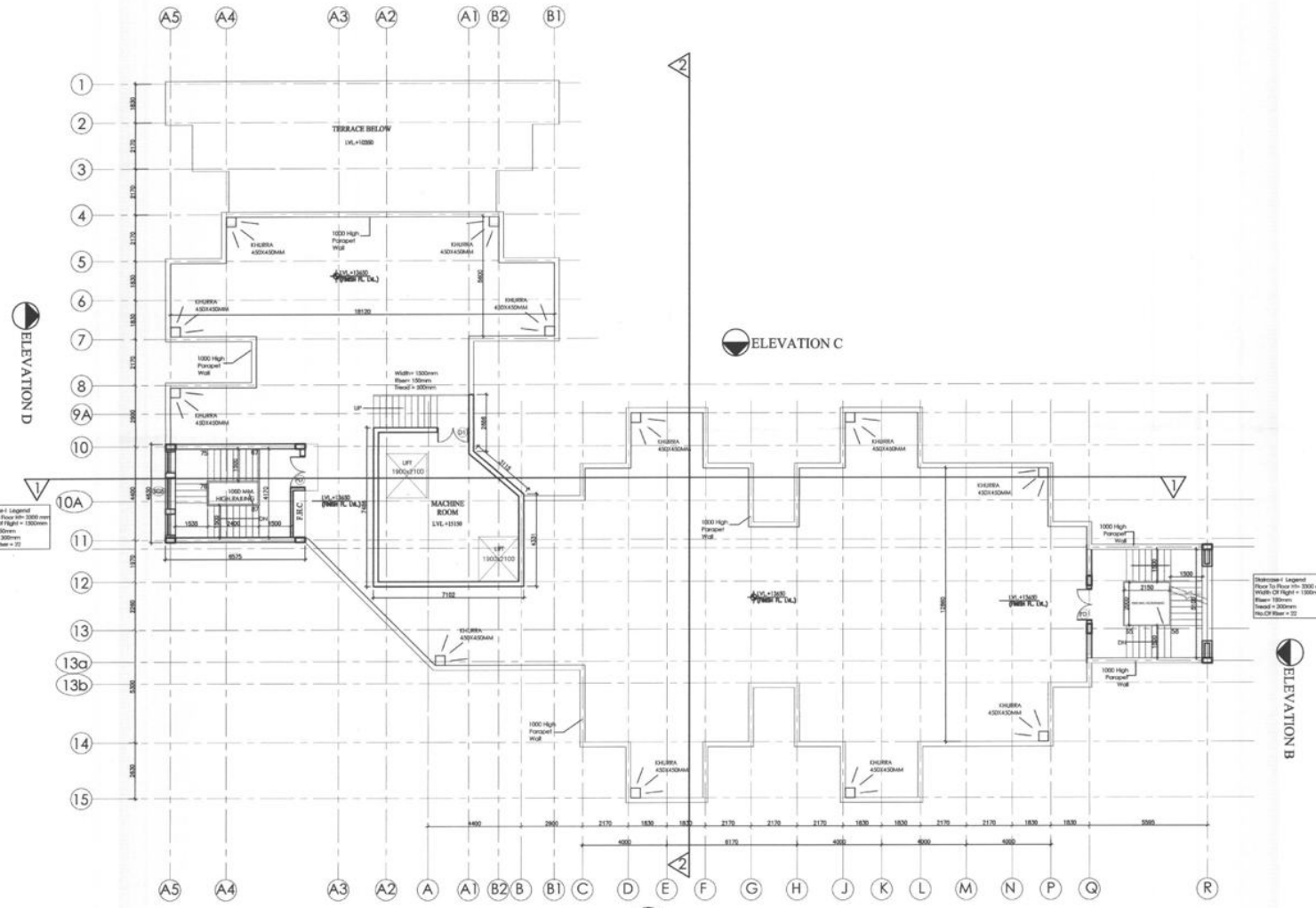
TENDER DRAWING

PROJECT  
National Institute of Health & Family Welfare at Munirka, DELHI

TITLE  
INTERNATIONAL HOSTEL BLOCK  
(PROPOSED TERRACE FLOOR PLAN)

NIHFW-06	
Drawing No.	REV.
1:100 Scale	OCT/2012 Date
App by	Prep. by
Rev. by	

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**HSCC**  
6



TERRACE FLOOR

ELEVATION A

ELEVATION C

ELEVATION B

ELEVATION D

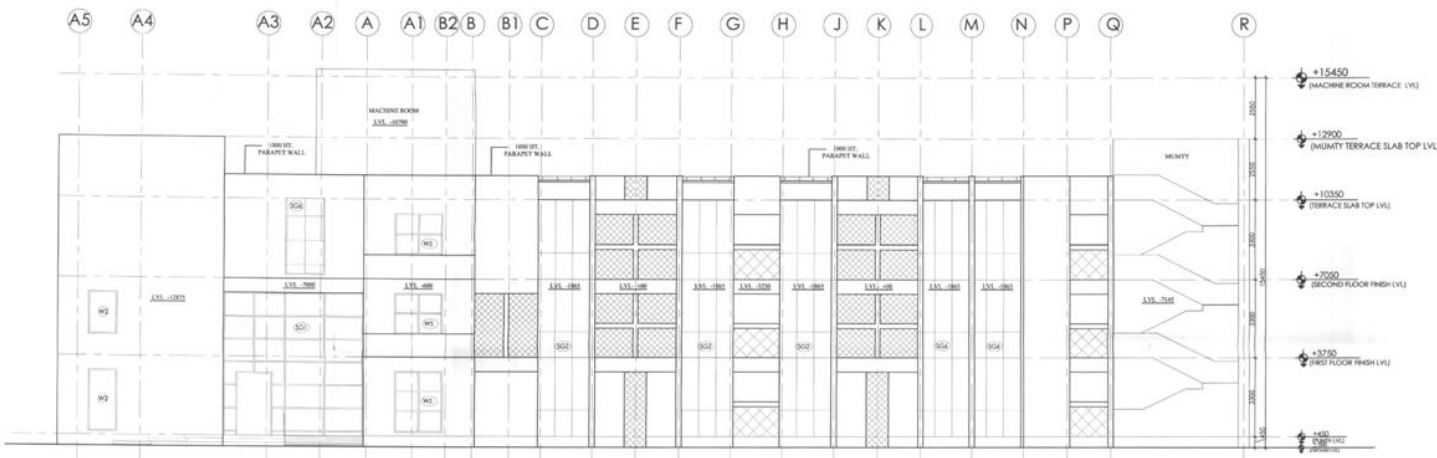


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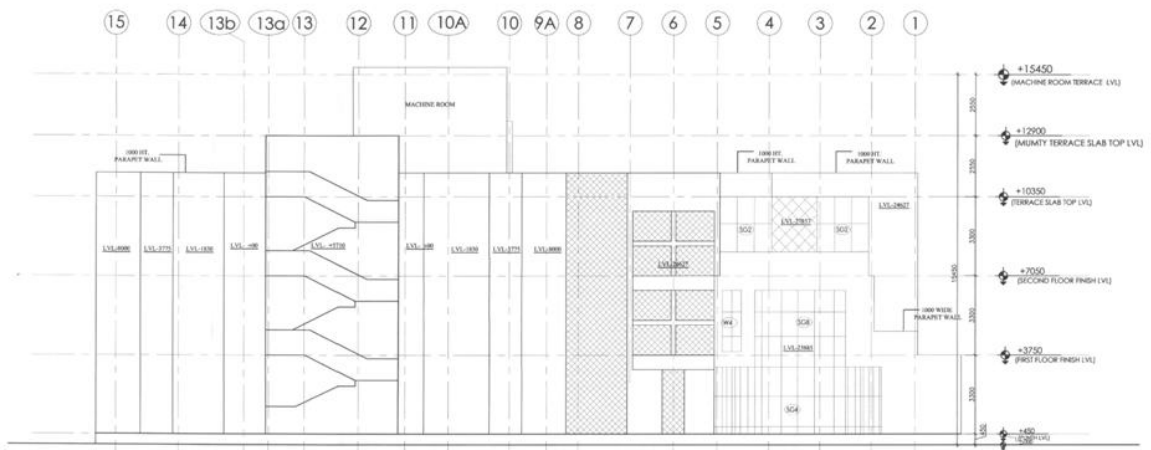
**NOTES**

**SCHEDULE OF OPENING**

S.NO	TYPE	SIZE	CILL	LINTEL
1.	D1	1000 X 2100	00	2100
2.	D2	1200 X 2100	00	2100
3.	D3	1000 X 2100	00	2100
4.	D4	900 X 2100	00	2100
5.	D5	750 X 2100	00	2100
6.	D6	1000 X 2100	00	2100
7.	D7	1000 X 2100	00	4000
8.	D8	1000 X 2100	00	2000
9.	SG1	10213 X 2100	00	2000
10.	SG2	3026 X 1900	00	2000
11.	SG3	3005 X 1900	00	2000
12.	SG4	7425 X 1900	00	2000
13.	SG5	1000 X 1900	00	2000
14.	SG6	1142 X 1900	00	2000
15.	SG7	2992 X 1900	00	2000
16.	SG8	3002 X 1900	00	2000
17.	W1	1000X600	100	4000
18.	W2	1000X800	800	2700
19.	W3	1000 X 1000	1000	3100
20.	W4	900 X 2000	100	2700
21.	W5	2000 X 2000	100	2700
22.	W6	1750 X 2000	100	2700
23.	W7	2140 X 2000	100	2700
24.	V	900 X 1200	1000	2700
25.	DH	1140 X 2100	00	3100



**ELEVATION-A**



**ELEVATION-B**

**TENDER DRAWING**

**PROJECT**

National Institute of Health & Family Welfare at Munirka, DELHI

**TITLE**

INTERNATIONAL HOSTEL BLOCK  
(FRONT & LEFT SIDE ELEVATION)

(SUBMISSION DRAWING)

<b>NIHFW-07</b>	<b>R-1</b>
Drawing No.	REV.
<i>Handwritten Signature</i>	1:100
Scale	SEP'2012
	Date
App by	Rev. by
	Prep. by

HSCC (INDIA) LIMITED  
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**HSCC**



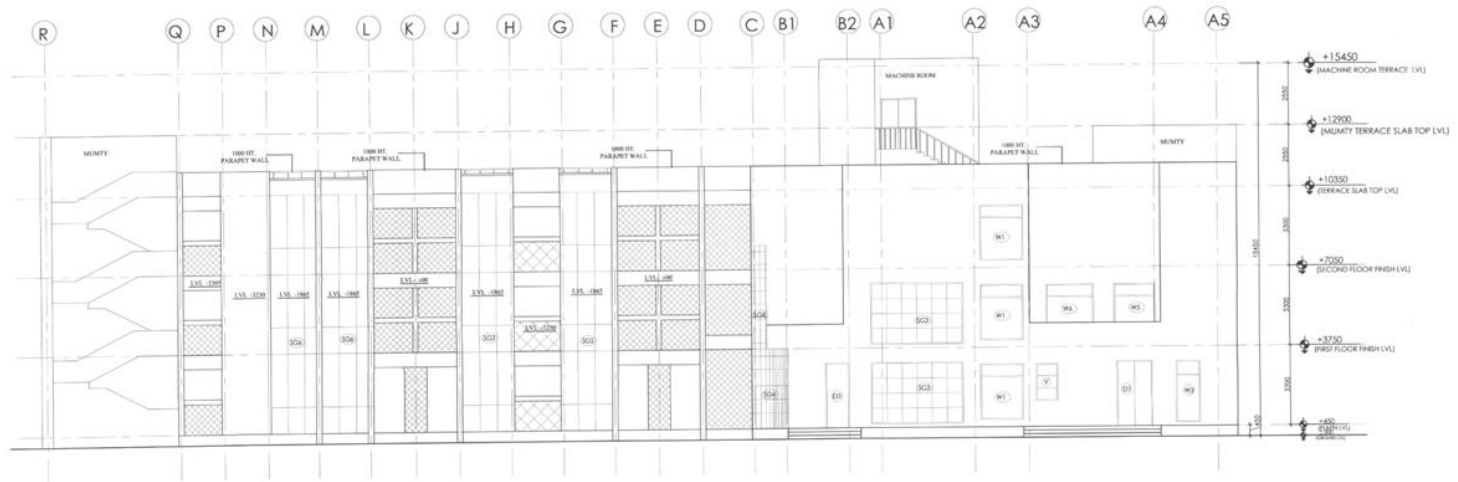


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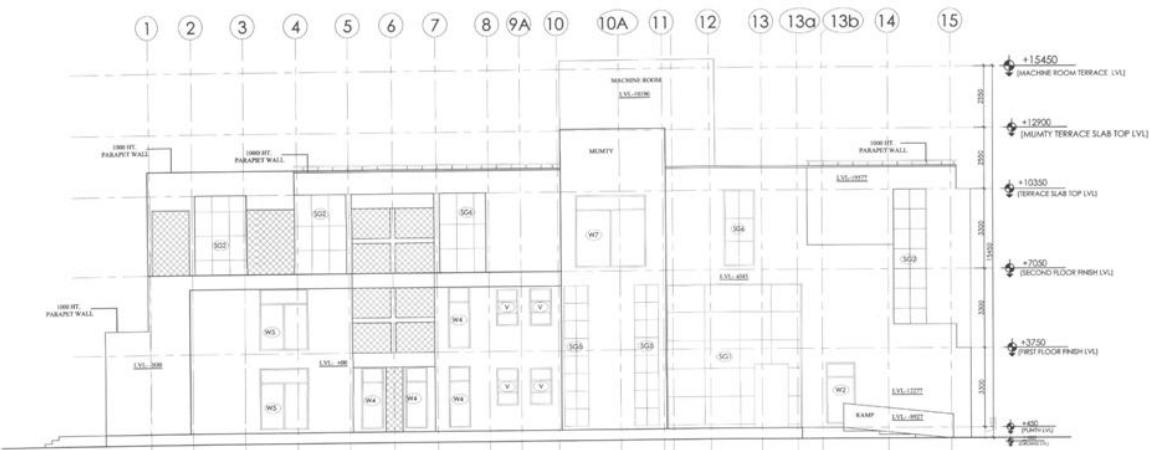
NOTES

SCHEDULE OF OPENING

S.NO	TYPE	SIZE	CHL	LINTEL
1	D1	1800 X 2100	00	2100
2	D2	1500 X 2100	00	2100
3	D3	1500 X 2100	00	2100
4	D4	800 X 2100	00	2100
5	D5	750 X 2100	00	2100
6	H1	1500 X 2100	00	2100
7	S1	1500 X 2100	00	4000
8	S2	1200 X 2100	00	2600
9	S3	1000 X 2100	00	2400
10	S4	300 X 1900	00	2600
11	S5	300 X 1900	00	2600
12	S6	210 X 1900	00	2600
13	S7	1000 X 1900	00	2600
14	S8	1140 X 1900	00	2600
15	S9	300 X 1900	00	2600
16	S10	300 X 1900	00	2600
17	W1	1100 X 1600	150	1600
18	W2	1200 X 1600	150	1600
19	W3	1000 X 1600	150	1600
20	W4	900 X 1300	150	1300
21	W5	2000 X 2000	150	2000
22	W6	1700 X 2000	150	2000
23	W7	2140 X 2000	150	2000
24	V	900 X 1300	100	1300
25	DH	1140 X 2100	00	1100



ELEVATION-C



ELEVATION-D

TENDER DRAWING

PROJECT

National Institute of Health & Family Welfare at Munirka, DELHI

TITLE

INTERNATIONAL HOSTEL BLOCK (REAR & RIGHT SIDE ELEVATION) (SUBMISSION DRAWING)

NHFW-08

Drawing No.

R-1

REV.

1:100

Scale

SEP2012

Date

App by

Rev. by

Prp. by

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HSCC

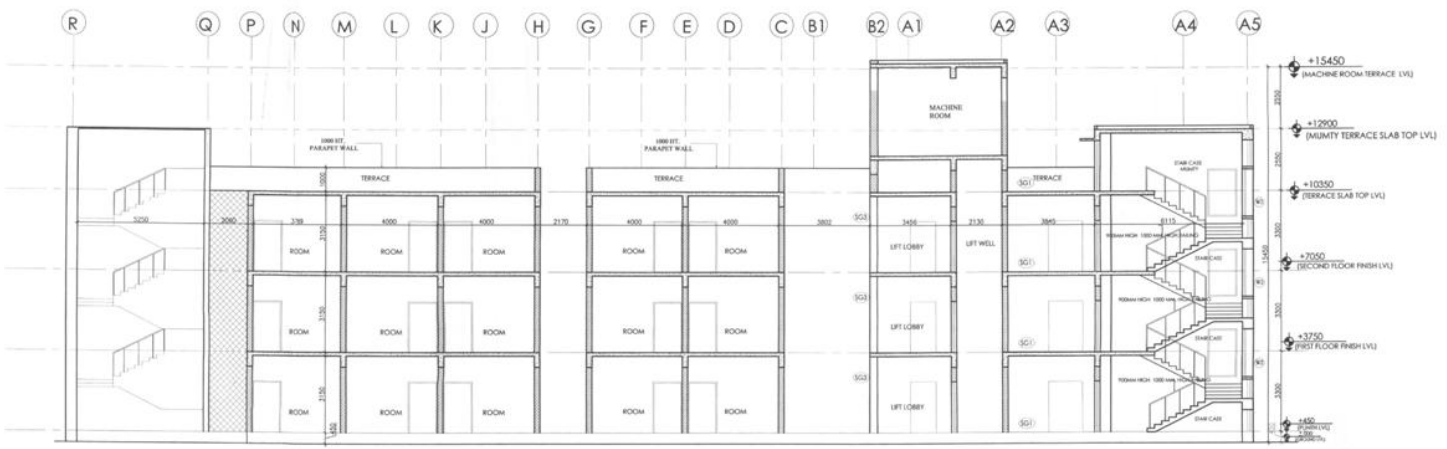


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**NOTES**

**SCHEDULE OF OPENING**

S.NO	TYPE	SIZE	CILL	LINTEL
1.	D1	1500 X 2100	00	2100
2.	D2	1200 X 2100	00	2100
3.	D3	1050 X 2100	00	2100
4.	D4	900 X 2100	00	2100
5.	D5	750 X 2100	00	2100
6.	D6	600 X 2100	00	2100
7.	D7	450 X 2100	00	2100
8.	D8	300 X 2100	00	2100
9.	SG1	10213 X 2100	00	2100
10.	SG2	3534 X 9900	00	2400
11.	SG3	3883 X 9900	00	2400
12.	SG4	7473 X 9900	00	2400
13.	SG5	1000 X 9900	00	2400
14.	SG6	1463 X 9900	00	2400
15.	SG7	2092 X 9900	00	2400
16.	SG8	3882 X 9900	00	2400
17.	W1	1000X600	150	600
18.	W2	1200X900	900	750
19.	W3	1000X1800	1300	2100
20.	W4	900 X 2000	130	2000
21.	W5	2000 X 2000	130	2000
22.	W6	1750 X 2000	130	2000
23.	W7	2000 X 2000	130	2000
24.	V	900 X 1300	1300	2100
25.	DW	11843 X 2100	00	2100



SECTION AT 1-1



SECTION AT 2-2

**TENDER DRAWING**

**PROJECT**

National Institute of Health & Family Welfare at Munirka, DELHI

**TITLE**

INTERNATIONAL HOSTEL BLOCK (SECTION AT 1-1, 2-2 ELEVATION) (SUBMISSION DRAWING)

NIHFW-09 R-1  
Drawing No. REV.

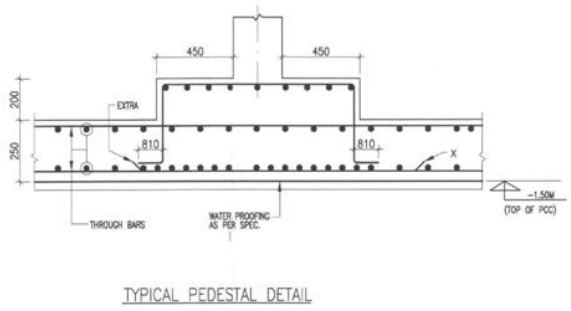
1:100 Scale SEP'2012 Date  
App by Rev. by Prep. by

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

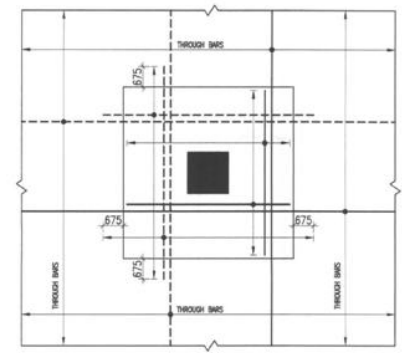
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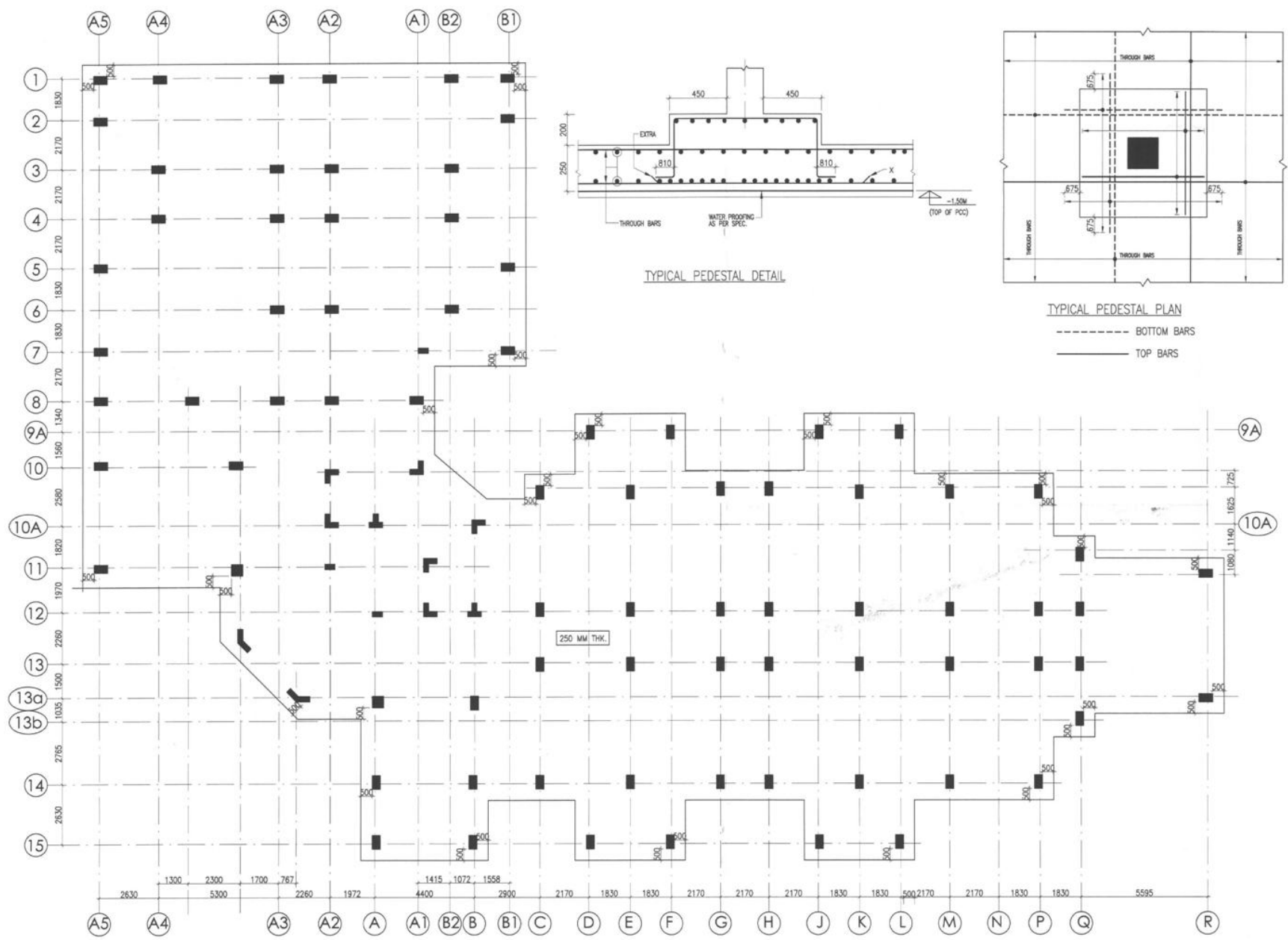
- NOTES:
1. ALL DIMENSIONS ARE IN MM & LEVELS IN M.
  2. READ IN CONJUNCTION WITH ALL RELEVANT ARCH., P.H.E., ELECTRICAL, H.V.A.C. DRAWINGS.
  3. FINISHED FLOOR LVL. TO BE CONFIRMED AS PER ARCH. DRS. THE SLAB TOP LEVEL TO BE WORKED OUT SUITABLY CONSIDERING FLOOR FINISH THICKNESS.
  4. CLEAR COVER OF OUTER REINFORCEMENT TO BE AS BELOW:-  
 COLUMN = 40MM  
 SLAB = 20mm  
 SOCM = 25mm
  5. CONC. MIX. TO BE M-25 FOR ALL RCC WORK AS PER IS-456-2000.
  6. ALL R/FY BARS TO BE F4500 Min. 195D OR TMT STEEL HAVING ELONGATION MORE THAN 14.5 % AS PER IS-1786 - 2008.
  7. ALL LAP LENGTHS = 50x SMALLER BAR Ø. ALL LAPS TO BE PLANNED SUITABLY AS PER SITE REQUIREMENT.
  8. SSC BELOW 1.5M IS ASSUMED 107/M<sup>2</sup>



TYPICAL PEDESTAL DETAIL



TYPICAL PEDESTAL PLAN



FOUNDATION LAYOUT PLAN

0	TENDER DRAWINGS
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REV	DATE	DESCRIPTION
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REVISION
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PROJECT
NATIONAL INSTITUTE OF HEALTH & FAMILY WELFARE AT MUNIRKA, DELHI

TITLE	S
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INTERNATIONAL HOSTEL BLOCK
FOUNDATION PLAN

Drawing No.	HSCC/NIHF/WH/D&E/TD-101
REV.No.	

HSCC/	SCALE	OCT-2012
JOB No.	HSCC	DATE
APPROVED	REVIEWED	PREPARED

HSCC INDIA LTD.  
 (A GOVERNMENT OF INDIA ENTERPRISE)

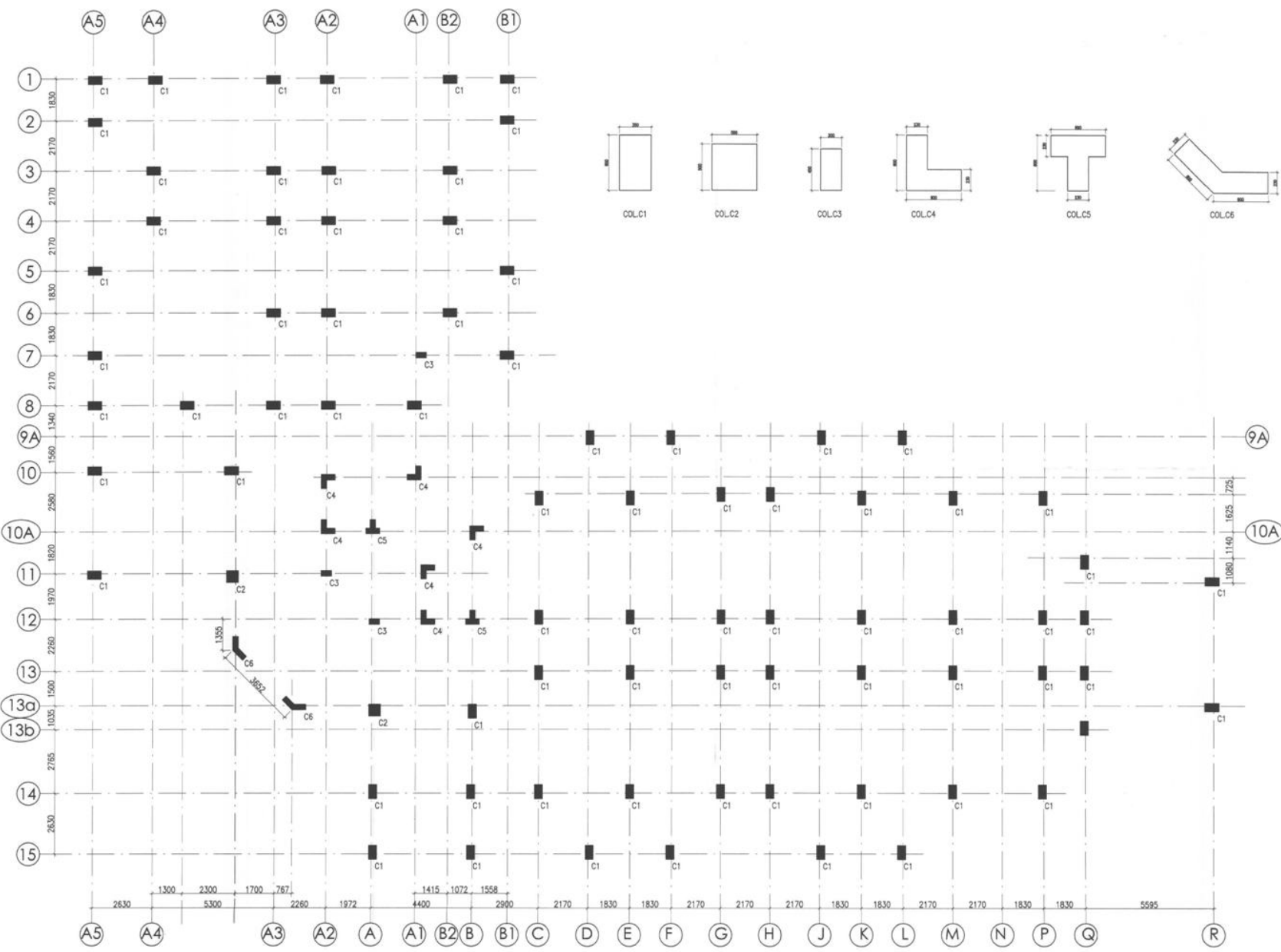
**HSCC**  
 INDIA  
 NEW DELHI

**10**

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**NOTES:**

1. ALL DIMENSIONS ARE IN MM & LEVELS IN M.
2. READ IN CONJUNCTION WITH ALL RELEVANT ARCH, P.A.L., ELECTRICAL, H.V.A.C. DRAWINGS.
3. FINISHED FLOOR LVL. TO BE CONFIRMED AS PER ARCH. Dwg. THE SLAB TOP LEVEL TO BE WORKED OUT SUITABLY CONSIDERING FLOOR FINISH THICKNESS.
4. CLEAR COVER OF OUTER REINFORCEMENT TO BE AS BELOW:-  
 COLUMN = 40mm  
 SLAB = 20mm  
 BEAM = 25mm
5. CONC. MIX. TO BE M-25 FOR ALL RCC WORK AS PER IS:456-2000.
6. ALL R/F BARS TO BE F4500 Mpa. HYSD OR TMT. STEEL HAVING ELONGATION MORE THAN 14.5 % AS PER IS:1786 - 2008.
7. ALL LAP LENGTHS = 50x SMALLER BAR Ø. ALL LAPS TO BE PLANNED SUITABLY AS PER SITE REQUIREMENT.



COLUMN LAYOUT PLAN

REV	DATE	DESCRIPTION
0		TENDER DRAWING

**REVISION**

**PROJECT**

NATIONAL INSTITUTE OF HEALTH & FAMILY WELFARE AT MUNIRKA, DELHI

**TITLE** S

INTERNATIONAL HOSTEL BLOCK

**COLUMN LAYOUT PLAN**

Drawing No. HSCC/NIHF/W/IH/D&E/TD-102

REV. No. \_\_\_\_\_

HSCC/--- JOB No. \_\_\_\_\_ SCALE: \_\_\_\_\_ DATE: OCT-2012

APPROVED	REVIEWED	PREPARED

HSCC INDIA LTD.  
 (A GOVERNMENT OF INDIA ENTERPRISE)

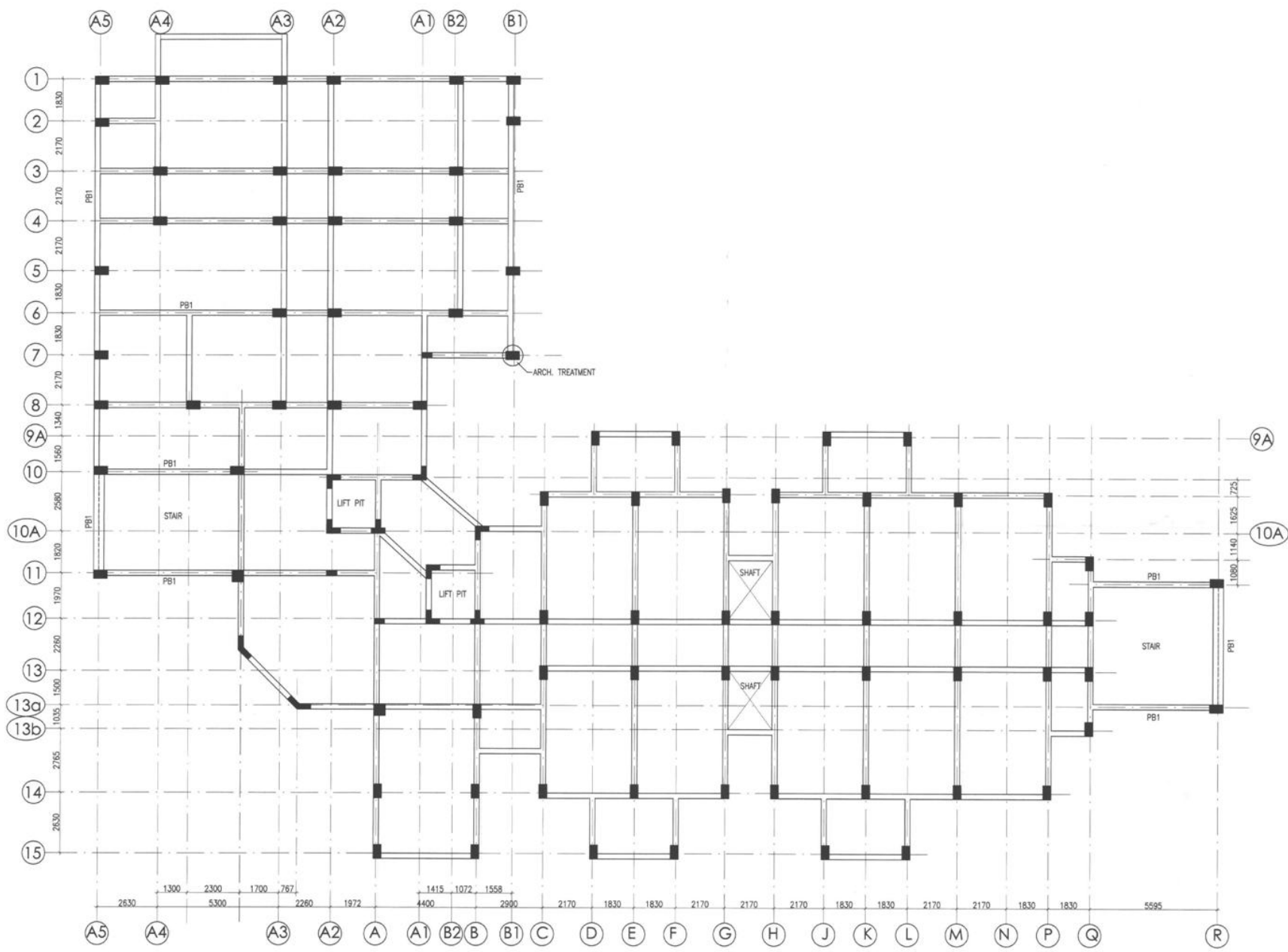
**HSCC**  
 NEW DELHI 11 INDIA



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**NOTES:**

1. ALL DIMENSIONS ARE IN MM & LEVELS IN M.
2. READ IN CONJUNCTION WITH ALL RELEVANT ARCH., P.E.L., ELECTRICAL, H.V.A.C. DRAWINGS.
3. FINISHED FLOOR LVL. TO BE CONFIRMED AS PER ARCH. DINGS. THE SLAB TOP LEVEL TO BE WORKED OUT SUITABLY CONSIDERING FLOOR FINISH THICKNESS.
4. CLEAR COVER OF OUTER REINFORCEMENT TO BE AS BELOW:
  - COLUMN = 40mm
  - SLAB = 20mm
  - BEAM = 25mm
5. CONC. MIX. TO BE M-25 FOR ALL RCC WORK AS PER IS456-2000.
6. ALL R/F BARS TO BE Fe500 Mpa. HYSD OR TMT STEEL HAVING ELONGATION MORE THAN 14.5 % AS PER IS1786 - 2008.
7. ALL LAP LENGTHS = 50x SMALLER BAR Ø. ALL LAPS TO PLANNED SUITABLY AS PER SITE REQUIREMENT.



**PLINTH BEAM FRAMING PLAN**  
 (ALL BEAMS SIZE 230x450 U.N.O.)  
 (PB1 BEAM SIZE 230x600)

0	TENDER DRAWINGS
REV. DATE	DESCRIPTION
<b>REVISION</b>	

**PROJECT**

NATIONAL INSTITUTE OF HEALTH & FAMILY WELFARE AT MUNIRKA, DELHI

**TITLE** S

INTERNATIONAL HOSTEL BLOCK

**PLINTH BEAM FRAMING PLAN**

Drawing No. HSCC/NIHFV/HH/D&E/TD-103  
 REV. No.

HSCC/---	SCALE	OCT-2012
JOB No.		DATE
APPROVED	REVIEWED	PREPARED

HSCC INDIA LTD.  
 (A GOVERNMENT OF INDIA ENTERPRISE)





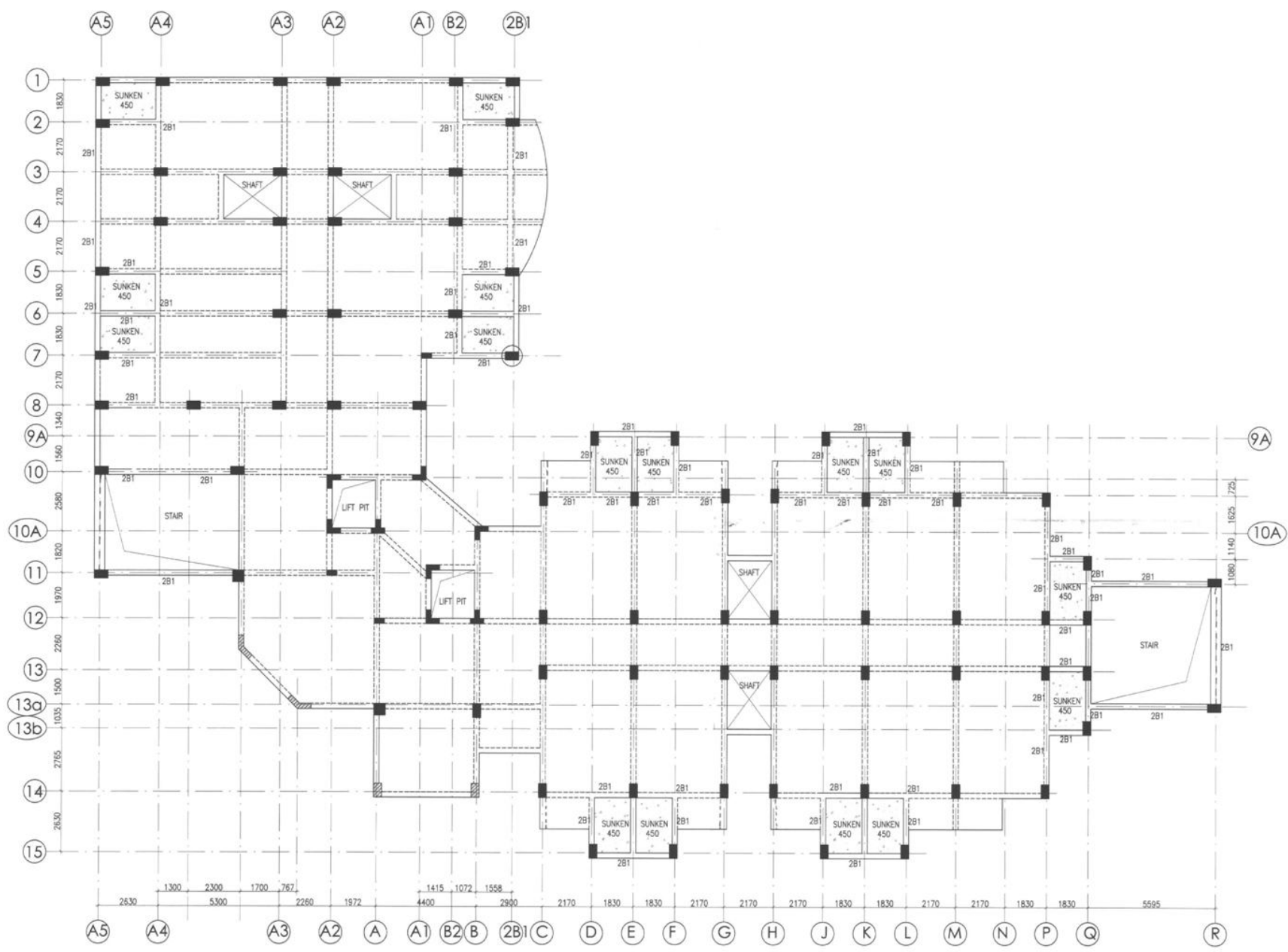




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**NOTES:**

1. ALL DIMENSIONS ARE IN MM & LEVELS IN M.
2. READ IN CONJUNCTION WITH ALL RELEVANT ARCH., P.E.E., ELECTRICAL, H.V.A.C. DRAWINGS.
3. FINISHED FLOOR LVL. TO BE CONFIRMED AS PER ARCH. DRGS. THE SLAB TOP LEVEL TO BE WORKED OUT SUITABLY CONSIDERING FLOOR FINISH THICKNESS.
4. CLEAR COVER OF OUTER REINFORCEMENT TO BE AS BELOW:-  
 COLUMN = 40MM  
 SLAB = 20mm  
 BEAM = 25mm
5. CONC. MIX. TO BE M-25 FOR ALL RCC WORK AS PER IS-456-2000.
6. ALL R/F BARS TO BE F4500 Mpa. HYSD OR TMT STEEL AS PER IS-1786-2008.
7. ALL LAP LENGTHS = 50xSMALLER BAR Ø. ALL LAPS TO BE PLANNED SUITABLY AS PER SITE REQUIREMENT.



**SECOND FLOOR BEAM FRAMING PLAN**  
 (ALL BEAMS SIZE 230x450 U.N.O.) (ALL SLAB THK 125mm U.N.O.)  
 (2B-1 BEAMS SIZE 230x600 U.N.O.)

6	TENDER DRAWINGS
---	-----------------

REV. DATE	DESCRIPTION
<b>REVISION</b>	

**PROJECT**

NATIONAL INSTITUTE OF HEALTH & FAMILY WELFARE AT MUNIRKA, DELHI

**TITLE** S

INTERNATIONAL HOSTEL BLOCK

SECOND FLOOR BEAM FRAMING PLAN

Drawing No. HSCC/NIHFW/IH/D&E/TD-105  
 REV. No.

HSCC/JOB No.	SCALE	DATE
		OCT-2012
APPROVED	REVIEWED	PREPARED

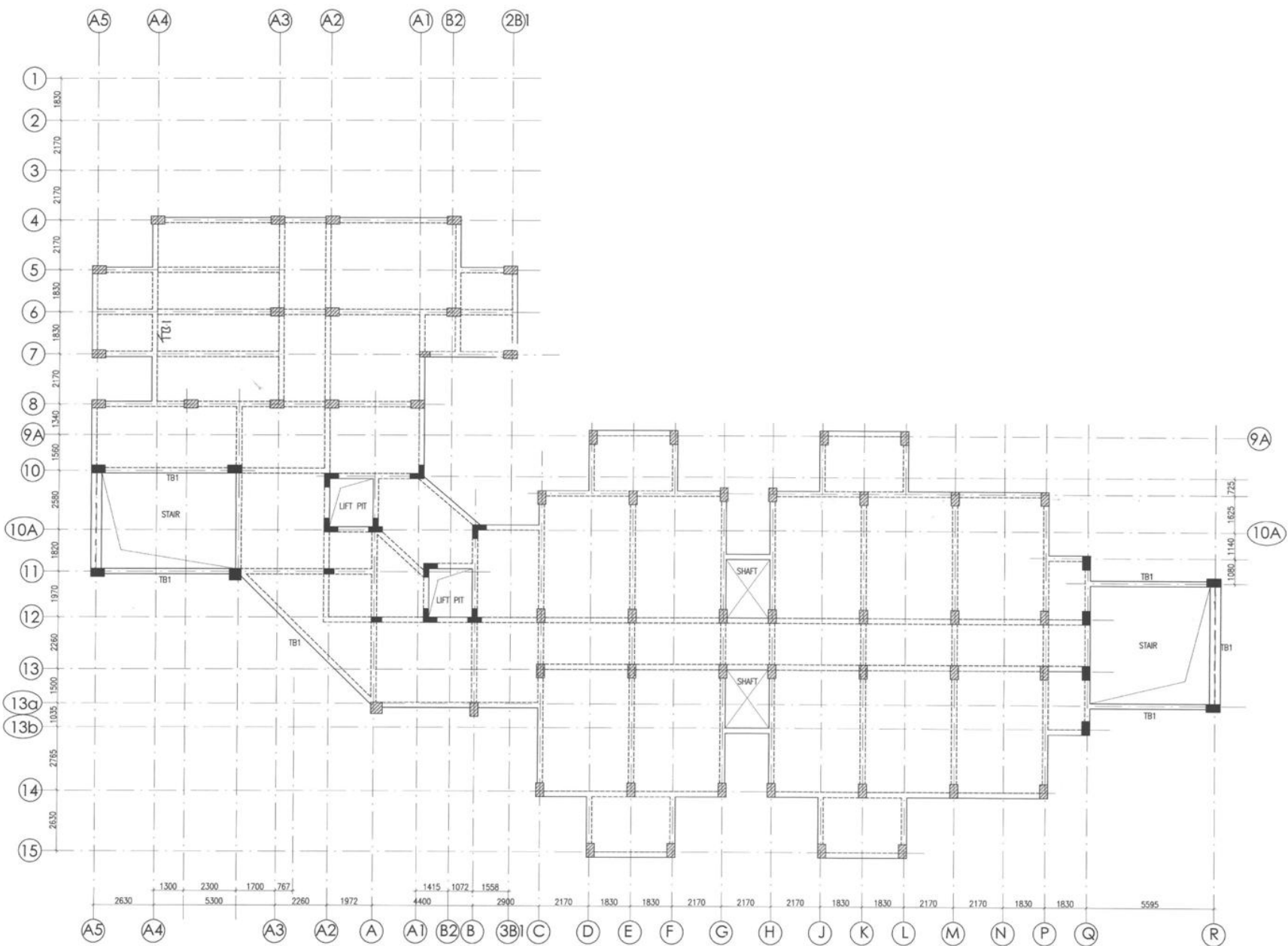
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- NOTES:
1. ALL DIMENSIONS ARE IN MM & LEVELS IN M.
  2. READ IN CONJUNCTION WITH ALL RELEVANT ARCH, P.H.E., ELECTRICAL, H.V.A.C. DRAWINGS.
  3. FINISHED FLOOR LVL. TO BE CONFIRMED AS PER ARCH. DRGS. THE SLAB TOP LEVEL TO BE WORKED OUT SUITABLY CONSIDERING FLOOR FINISH THICKNESS.
  4. CLEAR COVER OF OUTER REINFORCEMENT TO BE AS BELOW--  
 COLUMN = 40MM  
 SLAB = 20mm  
 BEAM = 20mm
  5. CONC. MIX. TO BE M-25 FOR ALL RCC WORK AS PER IS-456-2000.
  6. ALL R/F BARS TO BE H400 Mpa. HYSD OR TMT. STEEL AS PER IS-1786 - 2008.
  7. ALL LAP LENGTHS = 50x SMALLER BAR Ø. ALL LAPS TO BE PLANNED SUITABLY AS PER SITE REQUIREMENT.



**TERRACE BEAM FRAMING PLAN**  
 (ALL BEAMS SIZE 230x450 U.N.O.) (ALL SLAB THK 125MM U.N.O.)  
 (TB-1 BEAMS SIZE 230x600 U.N.O.)

0	TENDER DRAWINGS
---	-----------------

REV. DATE	DESCRIPTION
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**REVISION**

**PROJECT**

NATIONAL INSTITUTE OF HEALTH & FAMILY WELFARE AT MUNIRKA, DELHI

**TITLE** S

INTERNATIONAL HOSTEL BLOCK

**TERRACE BEAM FRAMING PLAN**

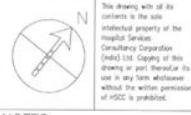
Drawing No. HSCC/NIHPW/IH/D&E/TD-107  
 REV. No.

HSCC JOB No.	SCALE	DATE
		OCT-2012
APPROVED	REVIEWED	PREPARED

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**NOTES**

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. FINISHES AND WORKMANSHIP SHALL BE AS PER THE SCHEDULE OF FINISHES AND WORKMANSHIP.
3. ALL WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE SCHEDULE OF WORK.
4. THE WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE SCHEDULE OF WORK.
5. THE WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE SCHEDULE OF WORK.
6. SOIL & WASTE PIPE
7. ALL WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE SCHEDULE OF WORK.
8. ALL WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE SCHEDULE OF WORK.
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17. ALL WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE SCHEDULE OF WORK.

LEGEND	
1	100mm $\phi$ CCI SOIL PIPE
2	100mm $\phi$ CCI WASTE PIPE
3	100mm $\phi$ CCI SOIL & WASTE
4	100mm $\phi$ CCI WASTE & VENT
5	30mm $\phi$ CPVC WASTE
6	50mm $\phi$ CPVC WASTE
7	100 mm $\phi$ CCI VENT
8	100mm $\phi$ SWP SLOPE 1:100
9	150mm $\phi$ SWP SLOPE 1:100
10	200mm $\phi$ SWP SLOPE 1:100
11	100 $\phi$ CI SWP
12	VALVE
13	MANHOLE (900x400)mm
14	Gully TRAP (300x300)mm

**PROJECT**

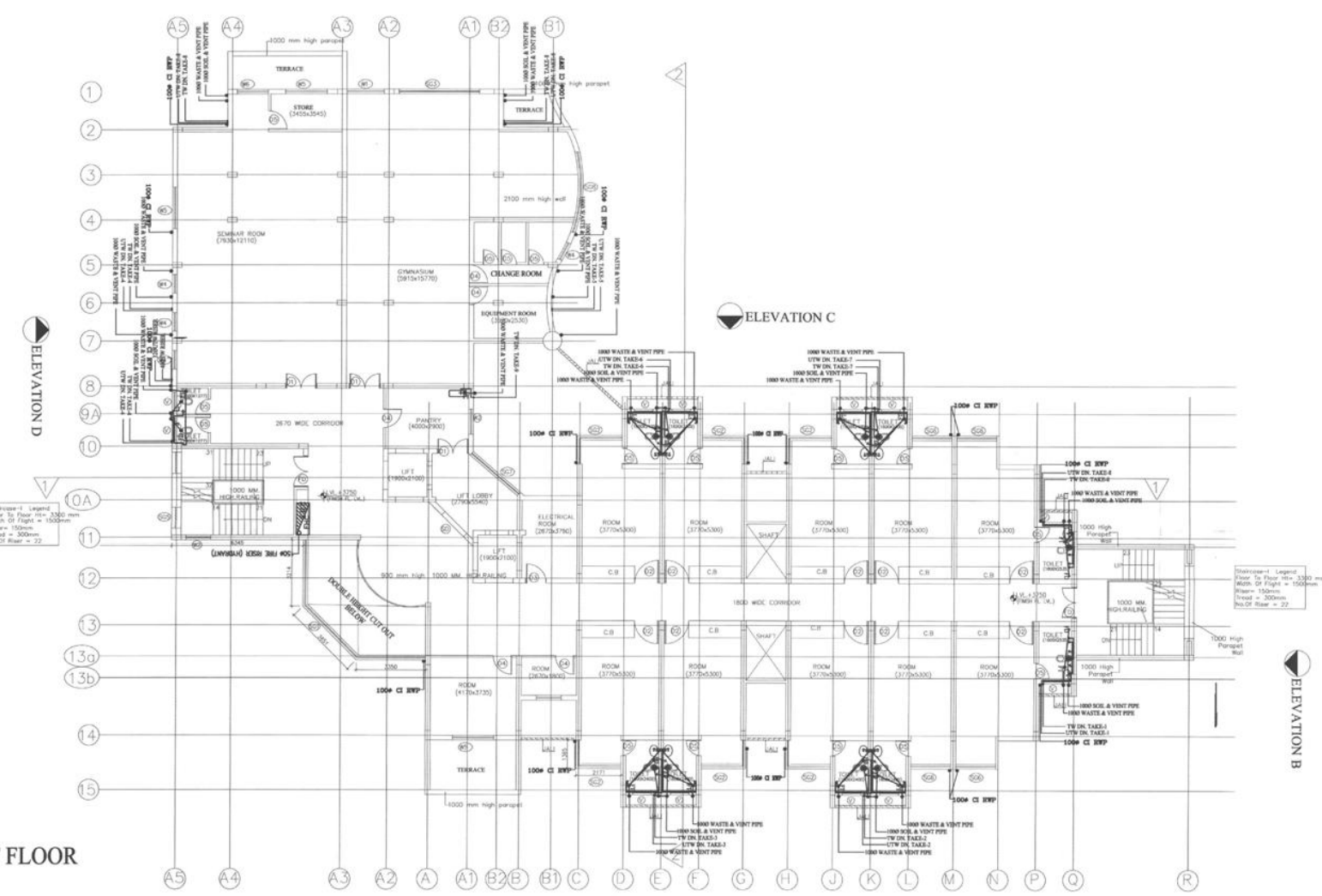
National Institute of Health & Family Welfare at Munirka, DELHI

**TITLE**  
INTERNATIONAL HOSTEL BLOCK (PROPOSED FIRST FLOOR PLAN)  
(PHE TENDER DRAWING)

HSCC/D&E/TD/NHFW/PL-02	
Drawing No.	REV.
1:100	OCT/2012
Scale	Date
R.TYAGI	KCS
Appr. by	Rev. by
	Prep. by

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

**HSCC**



ELEVATION D

ELEVATION C

ELEVATION B

ELEVATION A

**FIRST FLOOR**

Staircase-1 Legend  
Floor To Floor Rise = 3300 mm  
Main of Flight = 1500mm  
Rise = 150mm  
Tread = 300mm  
No. of Rise = 22

Staircase-1 Legend  
Floor To Floor Rise = 3300 mm  
Main of Flight = 1500mm  
Rise = 150mm  
Tread = 300mm  
No. of Rise = 22





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**NOTES**

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. DIMENSIONS BETWEEN WALLS ARE AN OVERALL DIMENSION UNLESS OTHERWISE SPECIFIED.
3. DIMENSIONS OF WALLS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
4. DIMENSIONS OF DOORS AND WINDOWS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
5. DIMENSIONS OF ALL OTHER OPENINGS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
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LEGEND	
1	100mm CCI SOIL PIPE
2	100mm CCI WASTE PIPE
3	100mm CCI SOIL & VENT
4	100mm CCI WASTE & VENT
5	32mm CPVC WASTE
6	50mm CPVC WASTE
7	100 mm CCI VENT
8	100mm RFP SLOPE 1:100
9	150mm RFP SLOPE 1:100
10	200mm RFP SLOPE 1:100
11	100w CCI RFP
12	VALVE
13	MANHOLE (300x300)mm
14	GALLY TRAP (300x300)mm

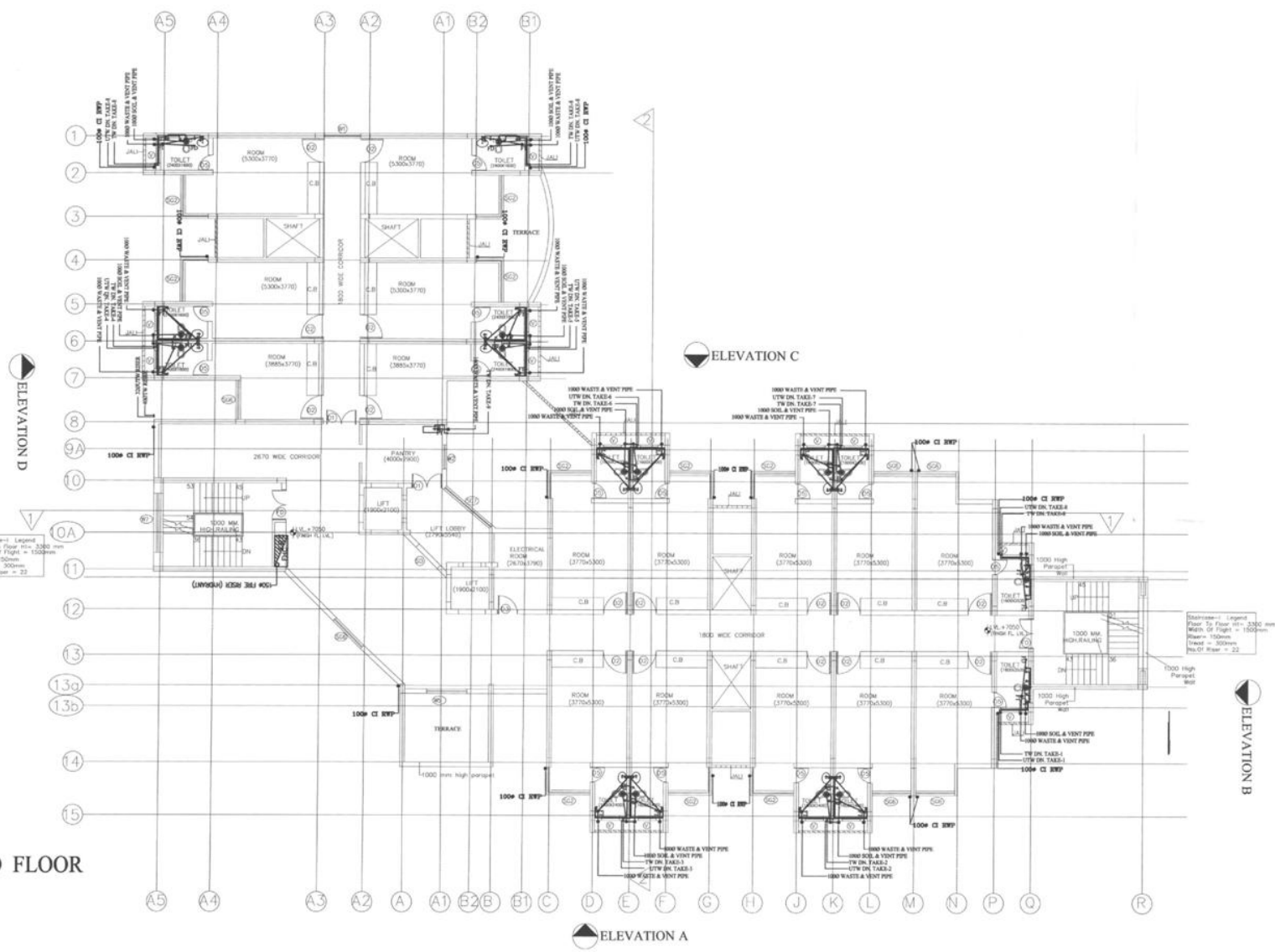
**PROJECT**  
National Institute of Health & Family Welfare at Munirka, DELHI

**TITLE**  
INTERNATIONAL FLOOR BLOCK (PROPOSED SECOND FLOOR PLAN)  
(PHE TENDER DRAWING)

HSCC/D&E/TD/NHF/W/PL-03	
Drawing No.	REV.
1:100	OCT'2012
Scale	Date
R.T.YAGI	R.T.YAGI
App by	Rev. by
	KCS
	Prep. by

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**HSCC**



**SECOND FLOOR**

ELEVATION D

ELEVATION C

ELEVATION B

ELEVATION A

Staircase - Legend  
Floor To Floor min. = 3300 mm  
Width Of Flight = 1500mm  
Riser = 150mm  
Tread = 300mm  
No. Of Riser = 22

Staircase - Legend  
Floor To Floor min. = 3300 mm  
Width Of Flight = 1500mm  
Riser = 150mm  
Tread = 300mm  
No. Of Riser = 22



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NOTES

PROJECT

National Institute of Health & Family Welfare at Munirka, DELHI

TITLE

TENDER DRAWING  
International Hostel Block  
Electrical Layout  
Ground Floor Plan

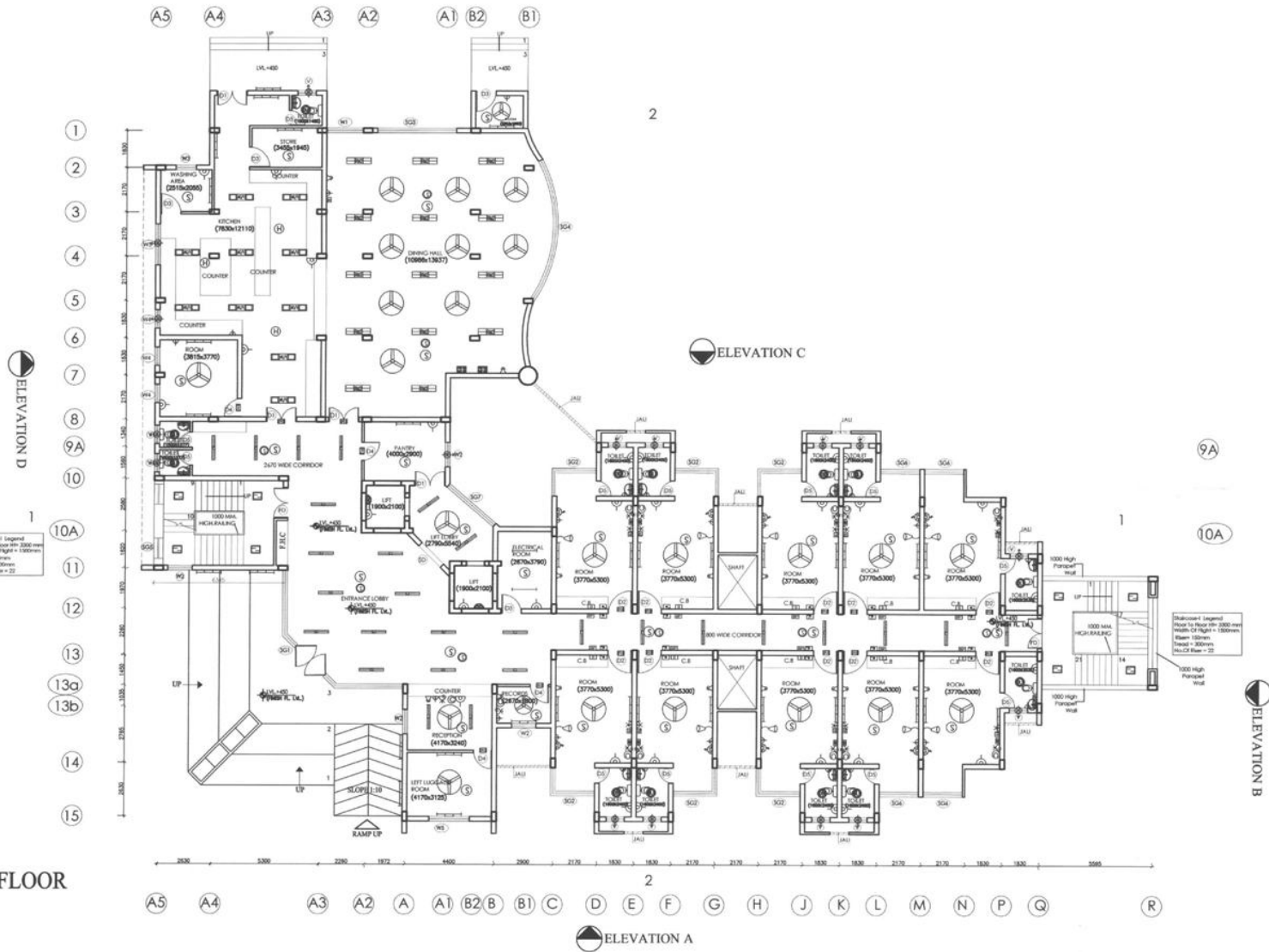
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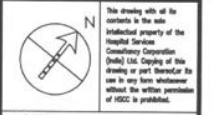
Drawing No. REV.

App by	Rev. by	NTS Scale	Date
		Prepared	Prep. by

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**20**





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PROJECT

National Institute of Health & Family Welfare at Munirka, DELHI

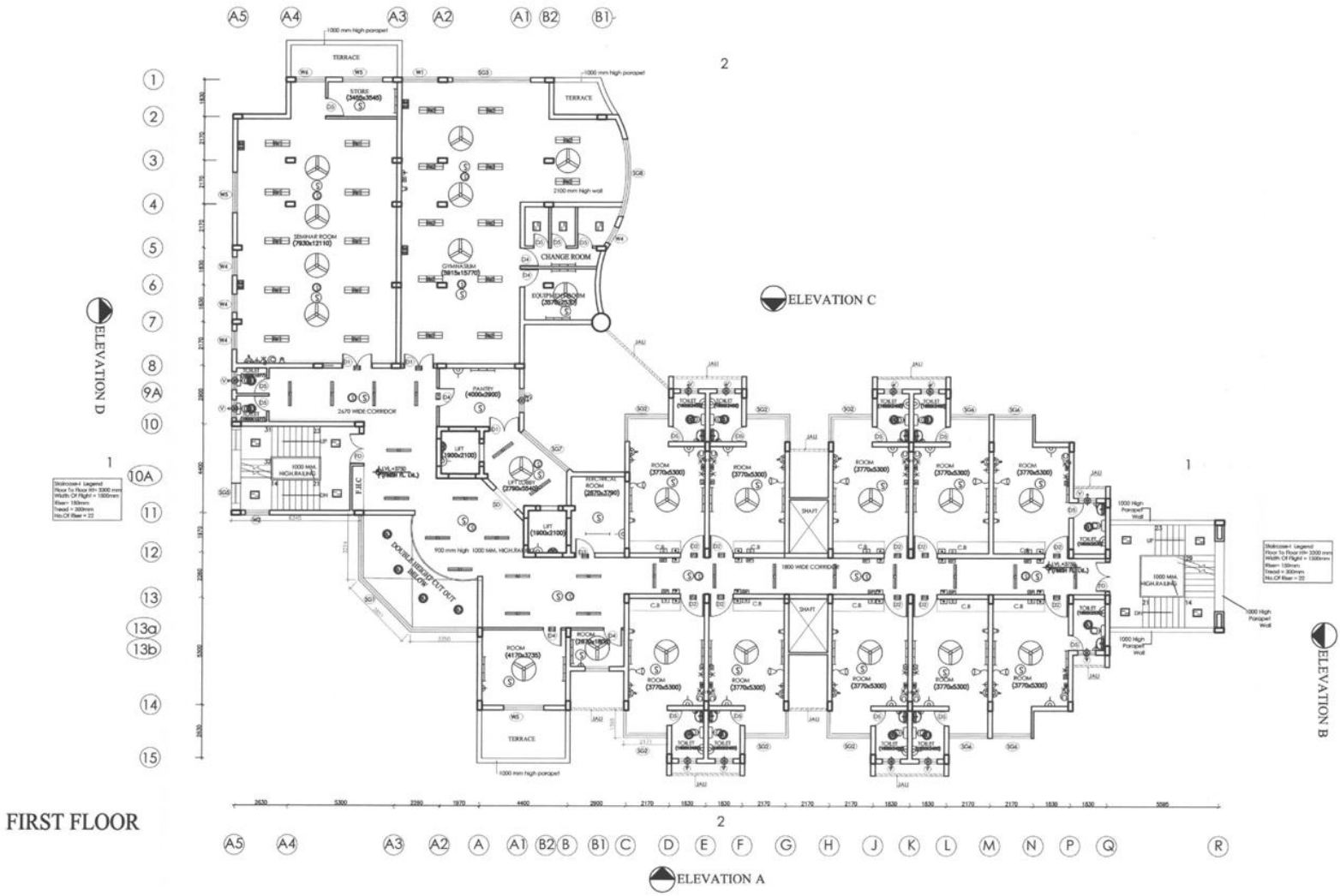
TITLE

TENDER DRAWING  
International Hostel Block  
Electrical Layout  
First Floor Plan

HSCC/ 0064811p/H/EL-02	
Drawing No.	REV.
NTS Scale	Date
App by	Rev. by
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**HSCC**  
21



FIRST FLOOR

1  
Electrical Legend  
Room To Floor 01 = 3000 mm  
Width Of Light = 1000mm  
Room = 150mm  
Tread = 300mm  
No. Of Bars = 22

2  
Electrical Legend  
Room To Floor 01 = 3000 mm  
Width Of Light = 1000mm  
Room = 150mm  
Tread = 300mm  
No. Of Bars = 22



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NOTES

PROJECT

National Institute of Health & Family Welfare at Munirka, DELHI

TITLE

TENDER DRAWING  
International Hostel Block  
Electrical Layout  
Second Floor Plan

HSCC / 006/A/SHF/HP/EL-03

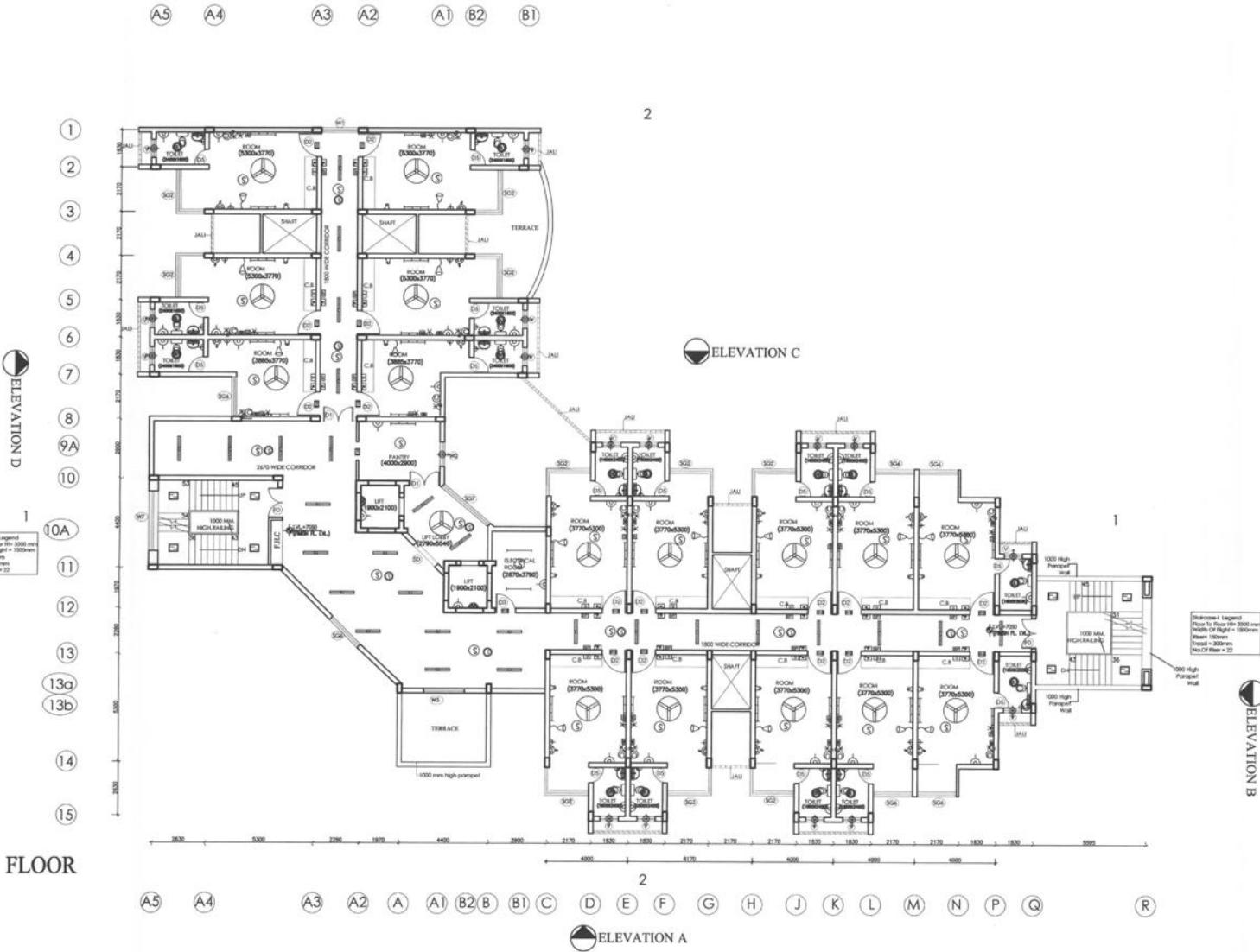
Drawing No. REV.

NTS Scale Date

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**HSCC**  
22

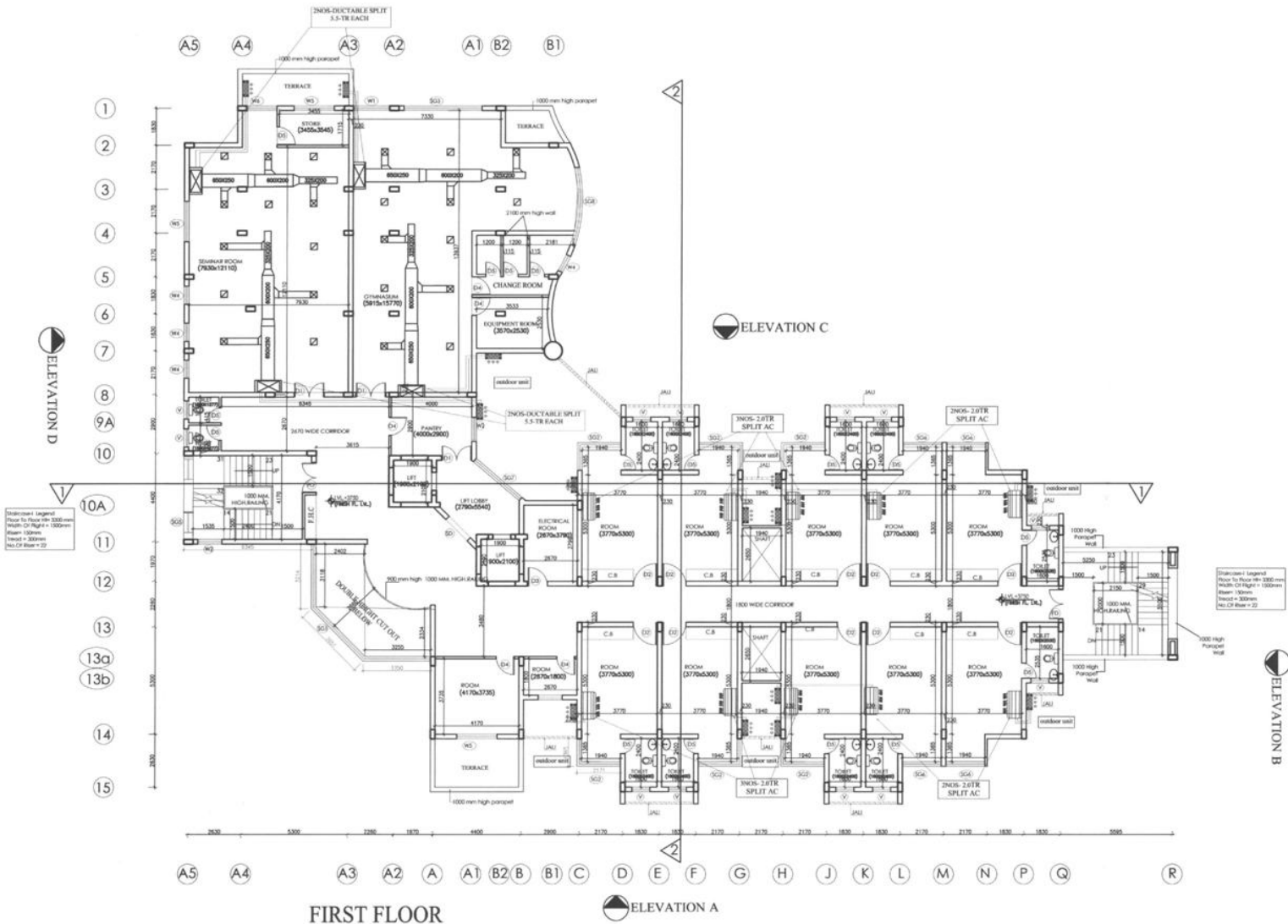


SECOND FLOOR









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NOTES

PROJECT

National Institute of Health & Family Welfare at Munirka, DELHI

OWNER

ARCHITECT

TITLE

INTERNATIONAL HOSTEL BLOCK  
(PROPOSED FIRST FLOOR PLAN)  
(TENDER DRAWING)

HSCC/D&E/HVAC/INT-H/MUN/02

Drawing No.	REV. 1
Scale	OCT'2012 Date
App by	Rev. by
	Prep. by

HSCC (INDIA) LIMITED  
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**HSCC**  
**25**

