

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS), ANSARI NAGAR,  
NEW DELHI**

**Tender**

**For**

**Augmentation of Plumbing Works of existing PC & Teaching Block for AIIMS within AIIMS  
campus, Ansari Nagar, New Delhi - Second Call**

**Volume-VI**

**Tender Drawings**

**AUGUST' 2012**

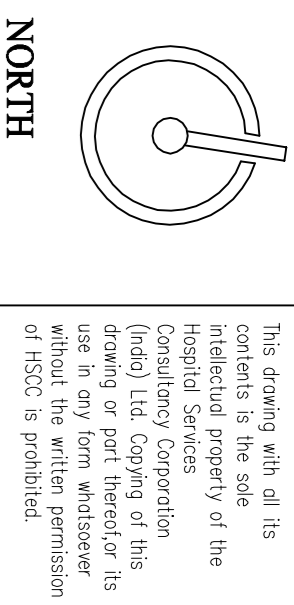


**HSCC (INDIA) LTD.  
(CONSULTANTS & ENGINEERS FOR MEGA HOSPITALS & LABORATORIES)  
E-6(A), sector-1, NOIDA(U.P) 201301 (India)**

Phone : 0120-2542436-40

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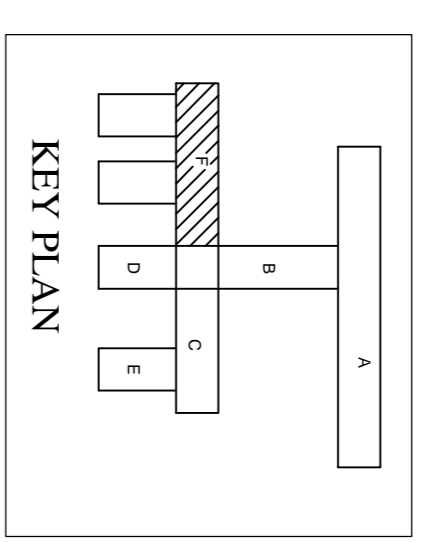
**PQ tender No. HSCC/AIIMS/PL/2012/02**



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**NOTES**

1. THE DRAWING IS PREPARED BASED ON OBSERVATIONS MADE DURING SITE VISIT OF LIMITED EXPOSED PARTS AND INFORMATION OBTAINED FROM AIMS STAFF.
2. PLUMBING WORKS SHALL BE DONE AS PER ACTUAL SITE CONDITIONS OF EXISTING PLUMBING SYSTEM AND SHOULD BE CO-ORDINATED WITH OTHER SERVICES.



**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 75/DN.TAKE
9	Ø 75/DN.TAKE
10	100 Ø S.W. PIPE
11	100 Ø R.W. PIPE
FT	FLOOR TRAP 100x100
FD	FLOOR DRAIN 50Ø
FCO	FLOOR CLEAN OUT
COP	CLEAN OUT PLUG
∇	VALVE
MH	MANHOLE (900x800)mm
GT	GULLY TRAP(300x300)mm

**PROJECT**

**Augmentation of Plumbing System of EX. P.C. & Teaching Block For All India Institute of Medical Science New-Delhi**

**TITLE PLUMBING DWG.**

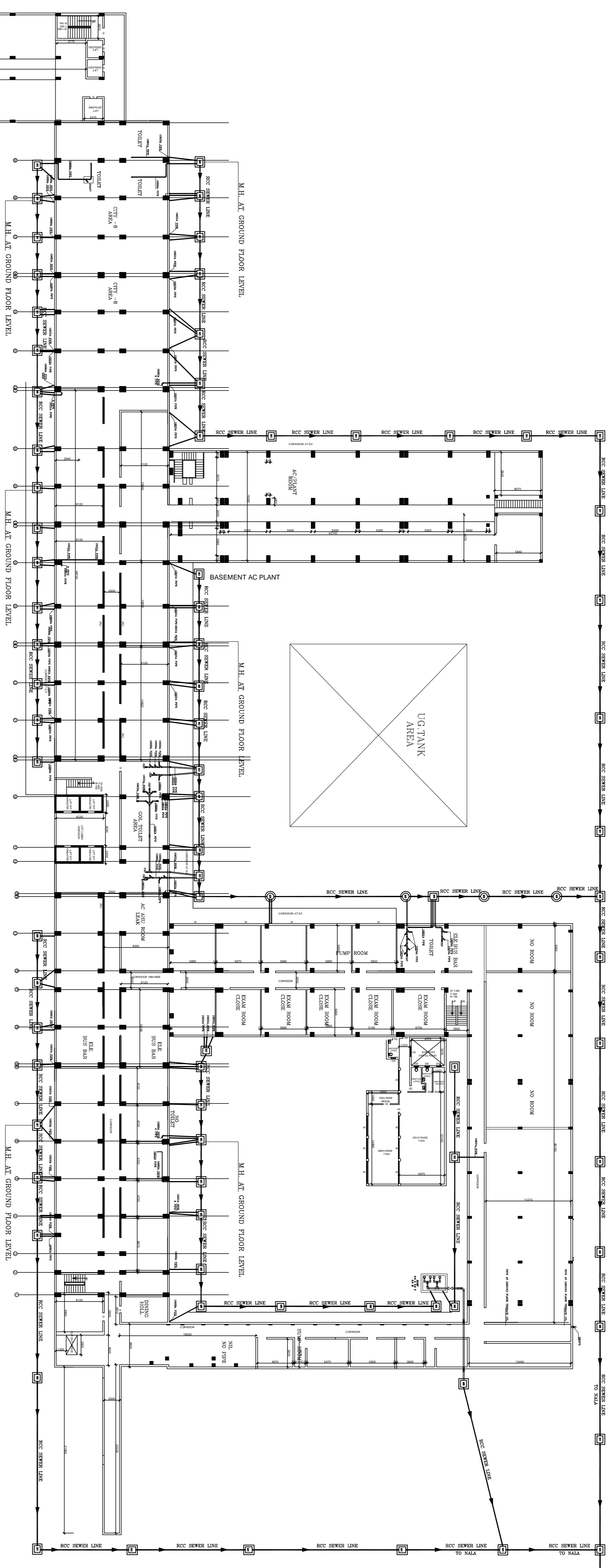
**TENDER**

**BASEMENT FLOOR PLAN SHOWING PROPOSED PLUMBING SYSTEM**

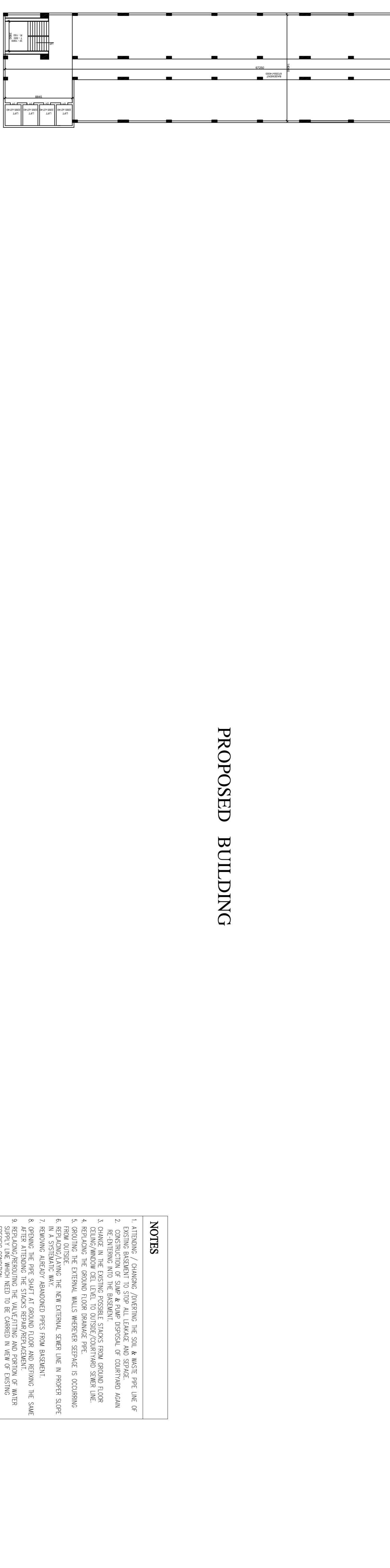
HSCC/ME/IMS/PC-BLOCK/PL-1

Drawing No.	1:200	Date:	28-06-2012
Job No.	Scale		
App. By.	R.TYAGI	Rev. By.	R.SUR
		Prep. By.	S.BHATT

**PROPOSED BUILDING**



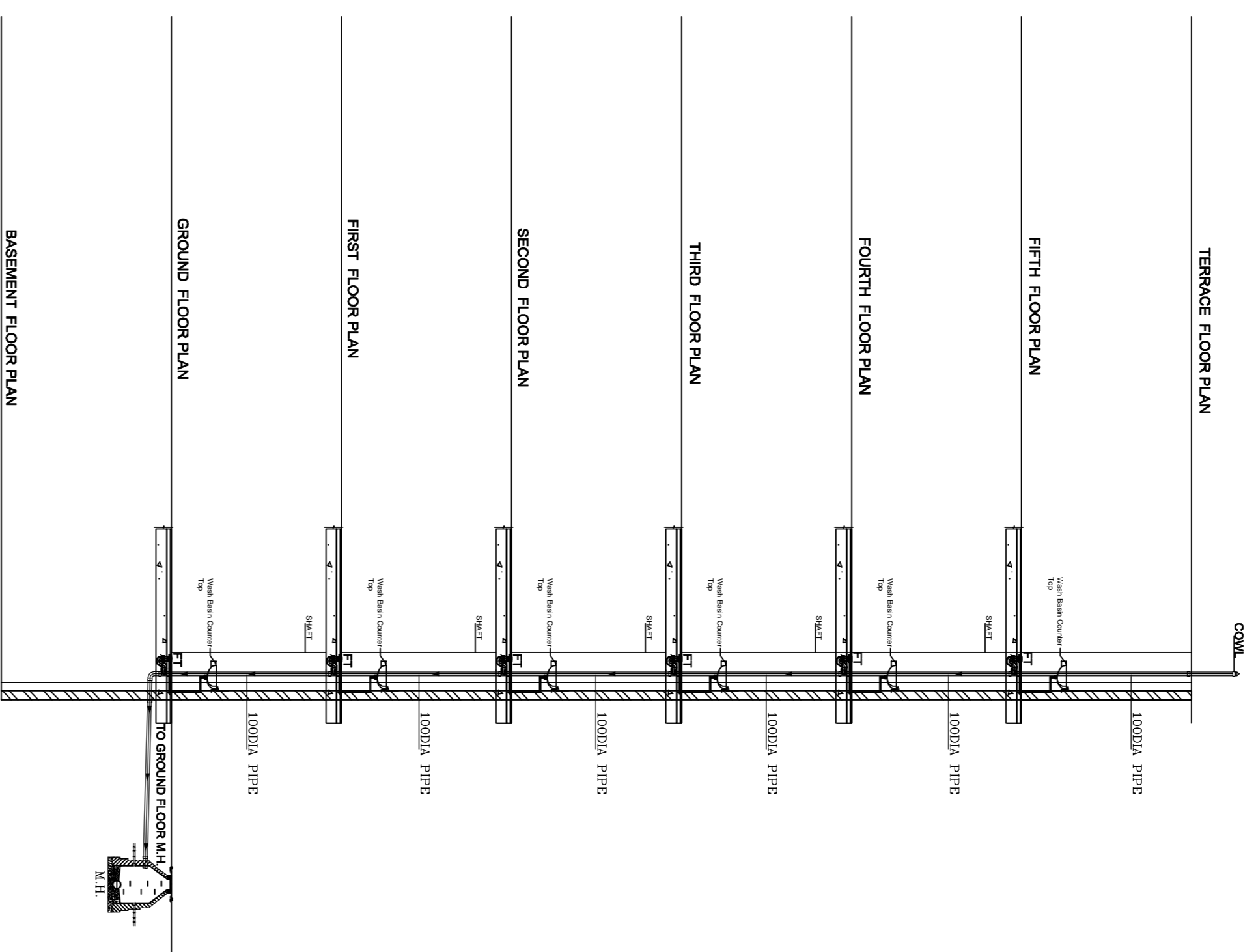
**BASEMENT PLAN**



- NOTES**
1. ATTENDING / CARPENTER JOINING THE SOIL & WASTE PIPE LINE OF EXISTING EXPOSED STEEL MANHOLE AND MANHOLE RE-ENTERING INTO THE BASEMENT.
  2. CONSTRUCTION OF SOIL & PUMP DISPOSAL OF COURTYARD ADJACENT TO THE BASEMENT.
  3. CHANGE IN THE EXISTING POSSIBLE STAKES FROM GROUND FLOOR CEILING/WINDOW SILL LEVEL TO OUTSIDE/COURTYARD SEWER LINE.
  4. REPLACING THE GROUND FLOOR BREAKBACK PIPE.
  5. REMOVE THE EXISTING EXTERNAL WASTEWATER SEWERAGE IS OCCURRING IN A SYSTEMATIC WAY.
  6. REMOVING/OVERHAULING THE NEW EXTERNAL SEWER LINE IN PROPER SLOPE IN A SYSTEMATIC WAY.
  7. REMOVING ALREADY ABANDONED PIPES FROM BASEMENT.
  8. OPENING THE PIPE SHAFT AT GROUND FLOOR AND RETING THE SAME AFTER ATTENDING THE STAKES REPAIR/REPLACEMENT.
  9. REPAIRING THE EXISTING EXTERNAL WASTEWATER SEWERAGE OF WATER SUPPLY LINE WHICH NEED TO BE CARRIED IN VIEW OF EXISTING SPECIFIC CONDITION.
  10. BARRICADING THE MAINTENANCE AREA TO MINIMIZE THE DISTURBANCE AND WALL TIES IN SOME SPECIFIC AREAS.
  11. REPAIR OF SINK AREA OF TOILET THEIR PIPE AND FITTINGS/FLOOR FINISHING.
  12. REPLACE THE EXTERNAL SEWER LINE TO SUITABLE POINT TOWARD INFLUENT/ST.

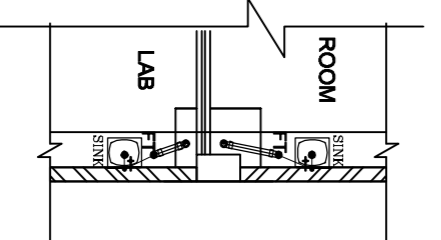
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NEW DELHI INDIA

## TYPICAL EXISTING DETAILS OF AIMMS LAB DISPOSAL SYSTEM

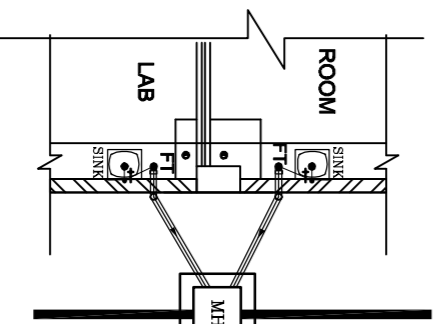


## EXISTING TYPICAL STACK SECTION

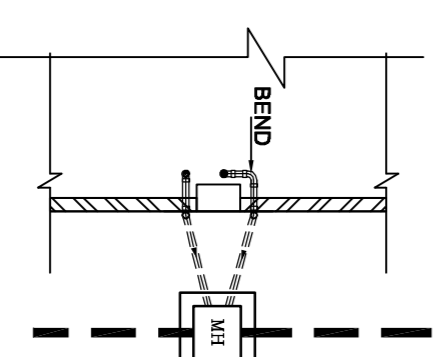
PLAN  
FIRST TO FIFTH FLOOR



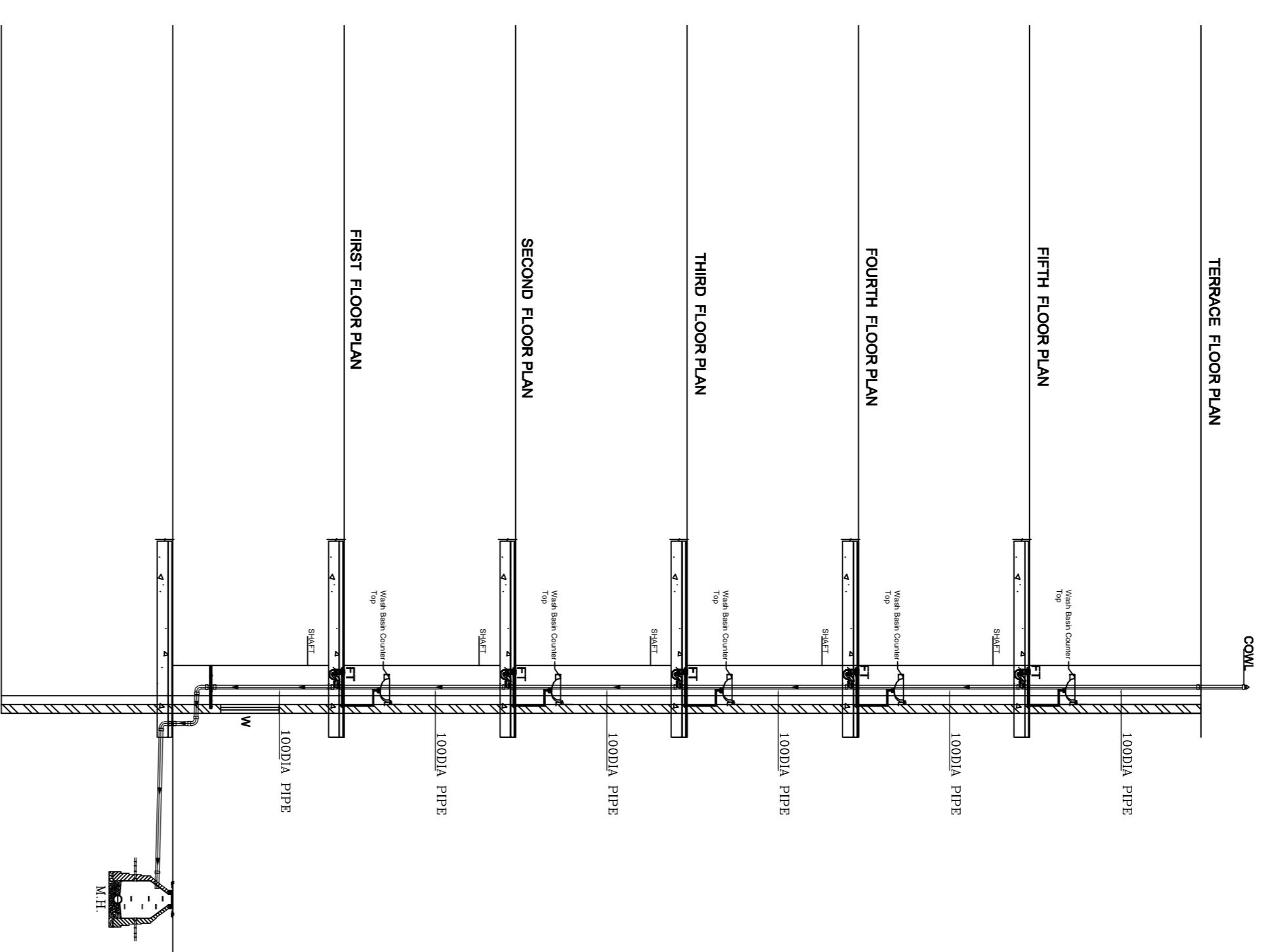
PLAN  
GROUND FLOOR



PLAN  
BASEMENT FLOOR



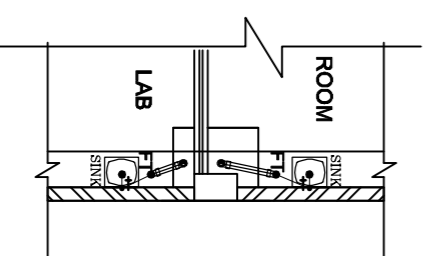
## TYPICAL PROPOSED DETAILS OF AIMMS LAB DISPOSAL SYSTEM



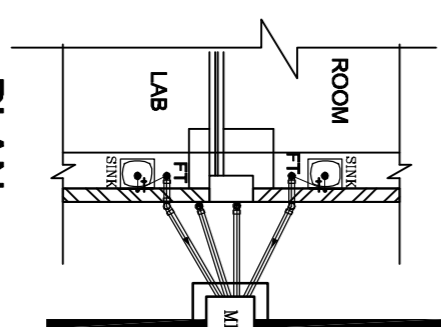
## PROPOSED MODIFIED TYPICAL STACK SECTION

### OPTION -2

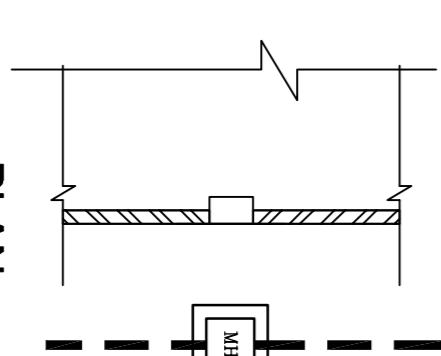
PLAN  
FIRST TO FIFTH FLOOR



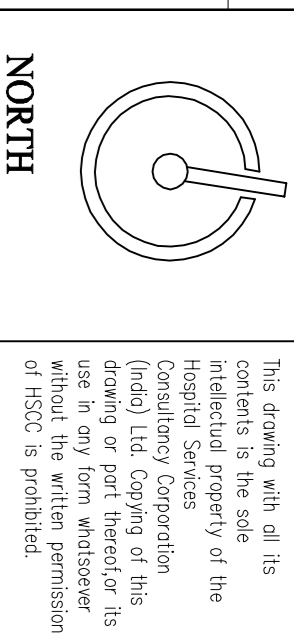
PLAN  
GROUND FLOOR



PLAN  
BASEMENT FLOOR



- NOTES**
1. ATTENDING / CHANGING / INVERTING THE SOIL & WASTE PIPE LINE OF EXISTING BASEMENT TO BE FULL EXCAVED AND SOFTENED AGAIN BY RE-CASTING WITH THE BASEMENT.
  2. RE-CASTING WITH THE BASEMENT.
  3. CHANGE IN THE EXISTING POSSIBLE STACKS FROM GROUND FLOOR TO BASEMENT TO GROUND FLOOR/UPWARD STACKS LINE.
  4. CHANGE WINDOW GEL LEVEL TO GROUND/UPWARD STACKS LINE.
  5. BRINDING THE EXTERNAL WALLS WHEREVER SETBACK IS OCCUPYING FROM OUTSIDE.
  6. RETAINING/CLAYING THE NEW EXTERNAL SLOPE LINE IN PROPER SLOPE.
  7. REMOVING ALREADY ABANDONED PIPES FROM BASEMENT.
  8. GRADING THE PERI METER AT GROUND FLOOR AND REFORMING THE SAME AFTER ATTENDING THE STACKS REPAIR/REPLACEMENT.
  9. REPLACING/REPAIRING THE VALVING AND OPENING OF WATER SPECIFIC CONDITION.
  10. BARBICORDING THE MAINTENANCE AREA TO MINIMIZE THE DISTURBANCE AND WALL TIES IN SAME SPECIFIC AREAS.
  11. REPAIR OF SLOPE AREA OF TOILET/HER HPE AND FITTINGS/FLOOR AND WALL TIES IN SAME SPECIFIC AREAS.
  12. ALL EXISTING EXTERNAL STACKS LINE TO SHIFTABLE FROM TOWARD NEARLY/STEP.



**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 17W DNTAKE
9	Ø 17W DNTAKE
10	100 Ø S.W. PIPE
11	100 Ø R.W. PIPE
FT	FLOOR TRAP 100X100
FD	FLOOR DRAIN 50Ø
FCO	FLOOR CLEAN OUT
COP	CLEAN OUT PLUG
∇	VALVE
MH	MANHOLE (900X800)mm
GT	GULLY TRAP(300X300)mm

- NOTES**
1. THE DRAWING IS PREPARED BASED ON OBSERVATIONS MADE DURING SITE VISIT OF LIMITED EXPOSED PARTS AND INFORMATION OBTAINED FROM AIMS STAFF.
  2. PLUMBING WORKS SHALL BE DONE AS PER ACTUAL SITE CONDITIONS OF EXISTING PLUMBING SYSTEM AND SHOULD BE CO-ORDINATED WITH OTHER SERVICES.

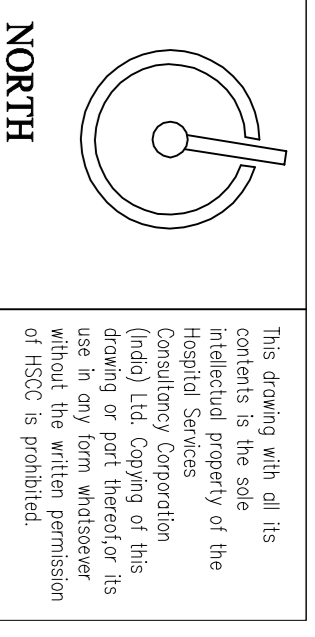
**PROJECT**

Agumentation of Plumbing  
System of  
EX. P.C. & Teaching Block  
For  
All India Institute of  
Medical Science  
New-Delhi

**TITLE PLUMBING DWG.**

**TENDER**  
TYPICAL EXISTING/  
PROPOSED  
DETAILS OF AIMMS LAB  
DISPOSAL SYSTEM  
OPTION-2

Drawings No.	HISCC/RE/AIMMS/P-C/BLACK/P1-	
Job No.	NTS	28-06-2012
App. By.	R.TYAGI	R.SUR
Rev. By.	S.BHATT	



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**NOTES**

1. THE DRAWING IS PREPARED BASED ON OBSERVATIONS MADE DURING SITE VISIT OF LIMITED EXPOSED PARTS AND INFORMATION OBTAINED FROM ASMS START.
2. PLUMBING WORKS SHALL BE DONE AS PER ACTUAL SITE CONDITIONS OF EXISTING PLUMBING SYSTEM AND SHOULD BE CO-ORDINATED WITH OTHER SERVICES.

**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 175 DN/INTAKE
9	Ø 175 DN/TAKE
10	100 Ø S.W. PIPE
11	100 Ø R.W. PIPE
FT	FLOOR TRAP 100X100
FD	FLOOR DRAIN 50Ø
FCO	FLOOR CLEAN OUT
COP	CLEAN OUT PLUG
∇	VALVE
MH	MANHOLE (900X600)mm
GT	GULLY TRAP (300X300)mm

**PROJECT**

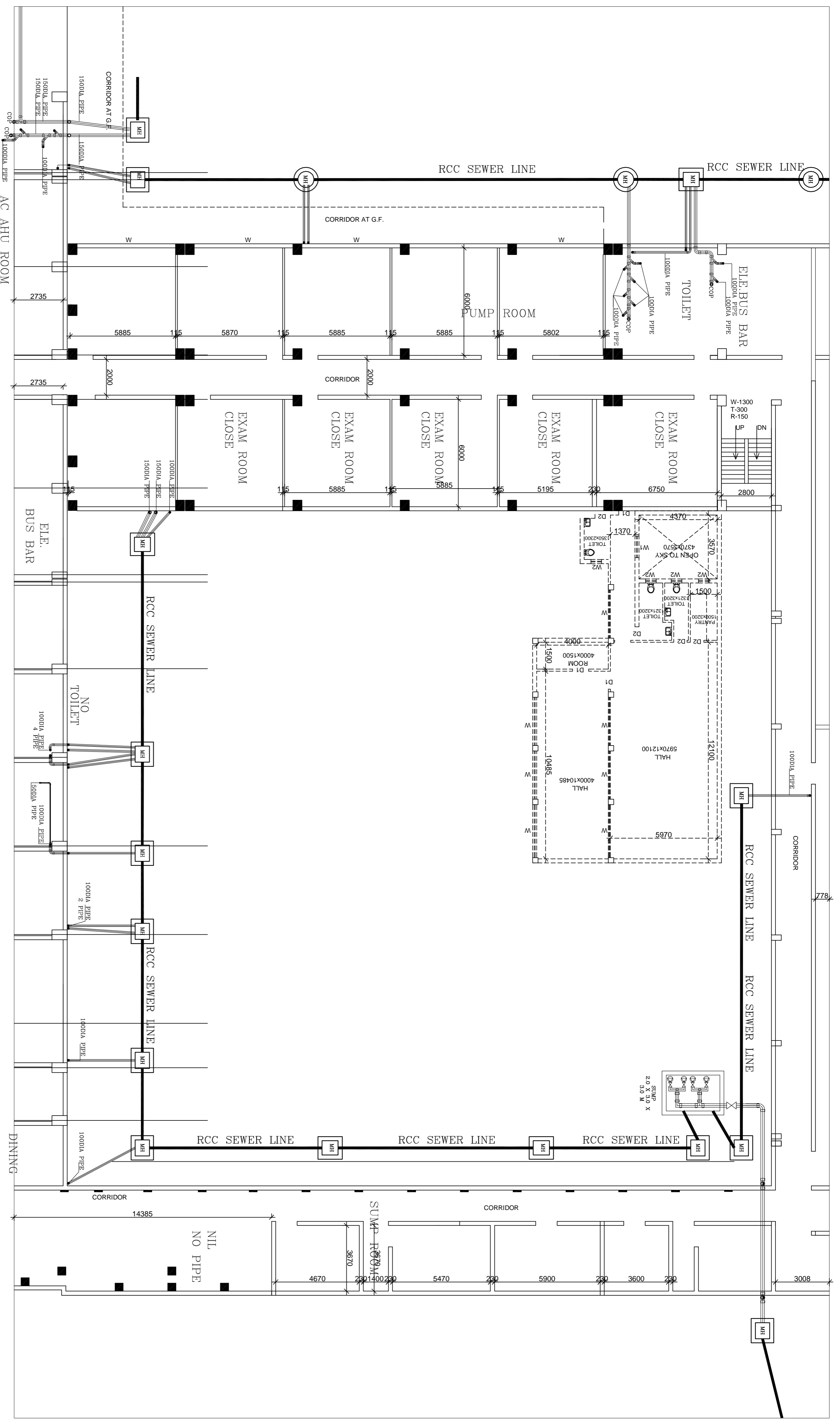
**Agumentation of Plumbing System of EX. P.C. & Teaching Block For All India Institute of Medical Science New-Delhi**

**TITLE PLUMBING DWG.**

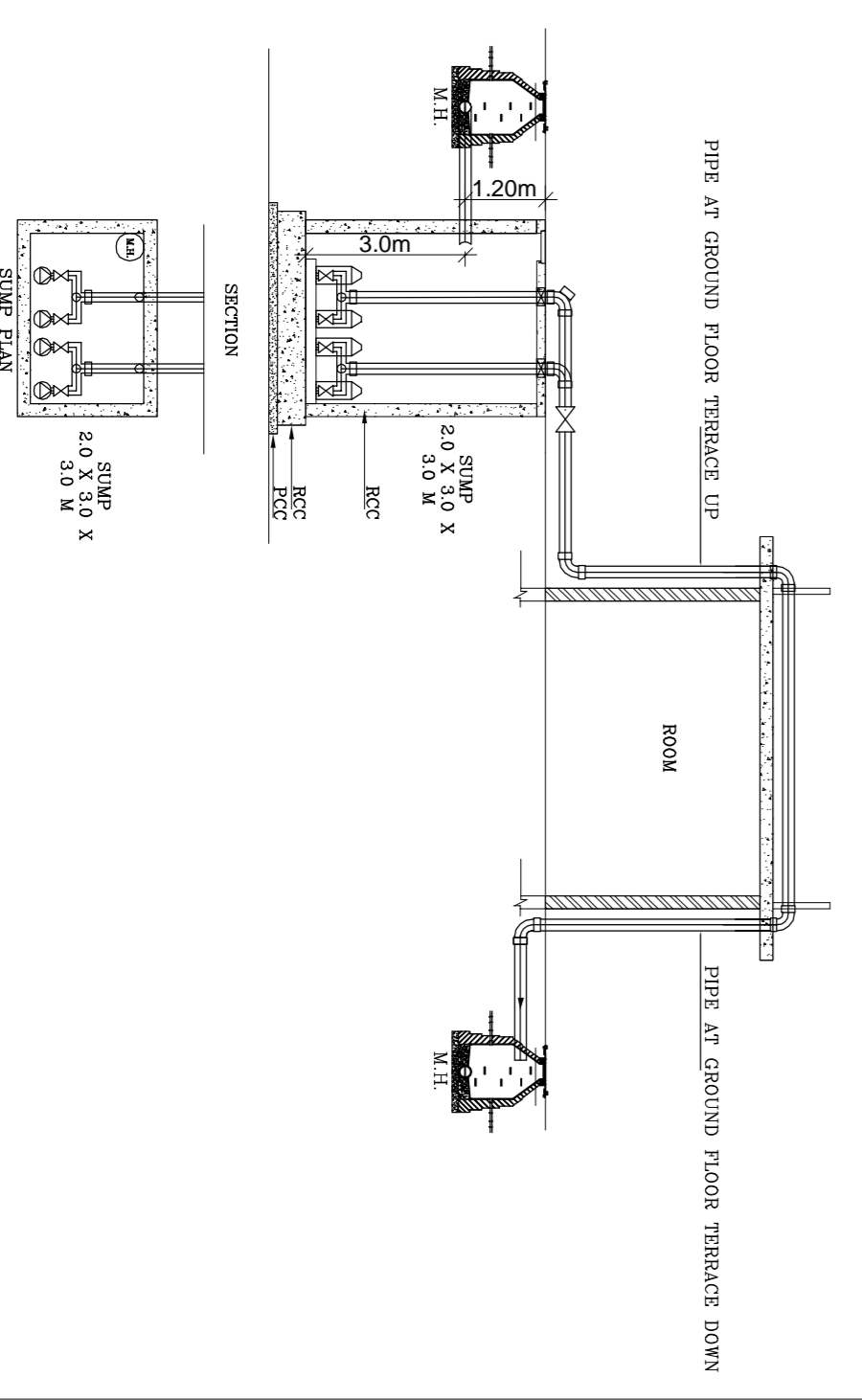
**TENDER PROPOSED SUMP DETAILS SUMP PLAN / SECTION**

HSCC/KE/AM/MS/P-C/BLACK/PL-	
Drawing No.	NTS
Job No.	Scale
App. By.	Rev. By
Prep. By	

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NEW DELHI INDIA



- NOTES**
1. ATTENDING / CHANGING /COVERING THE SOIL & WASTE PIPE LINE OF EXISTING BASEMENT TO STOP ALL LEAKAGE AND SERVICE.
  2. CONSTRUCTION OF SUMP BASEMENT AND CONNECTION TO EXISTING SOIL & WASTE PIPE LINE OF COURTYARD MAIN.
  3. CHANGE IN THE EXISTING POSSIBLE STOPS FROM GROUND FLOOR TO BASEMENT.
  4. REPAIRING/REWORKING THE MAKE/FITTING AND PORTION OF WATER SAFETY LINE WHICH NEED TO BE CARRIED IN VIEW OF EXISTING.
  5. REPAIRING/REWORKING THE MAKE/FITTING AND PORTION OF WATER SAFETY LINE WHICH NEED TO BE CARRIED IN VIEW OF EXISTING.
  6. REPAIRING/REWORKING THE MAKE/FITTING AND PORTION OF WATER SAFETY LINE WHICH NEED TO BE CARRIED IN VIEW OF EXISTING.
  7. REPAIRING/REWORKING THE MAKE/FITTING AND PORTION OF WATER SAFETY LINE WHICH NEED TO BE CARRIED IN VIEW OF EXISTING.
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  9. REPAIRING/REWORKING THE MAKE/FITTING AND PORTION OF WATER SAFETY LINE WHICH NEED TO BE CARRIED IN VIEW OF EXISTING.
  10. REPAIRING/REWORKING THE MAKE/FITTING AND PORTION OF WATER SAFETY LINE WHICH NEED TO BE CARRIED IN VIEW OF EXISTING.
  11. REPAIRING/REWORKING THE MAKE/FITTING AND PORTION OF WATER SAFETY LINE WHICH NEED TO BE CARRIED IN VIEW OF EXISTING.
  12. REPLACE THE EXTERNAL SEWER LINE TO SUITABLE POINT TOWARD WASTEWATER.

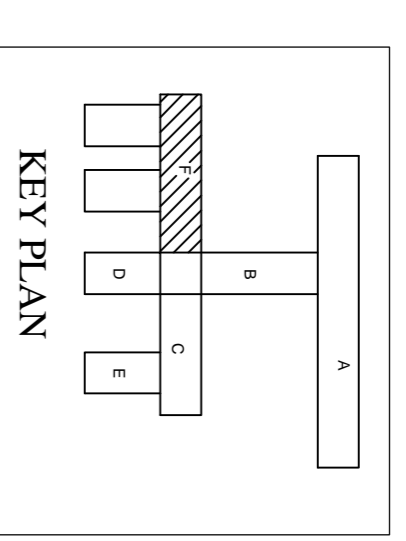


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**NORTH**

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2. PLUMBING WORKS SHALL BE DONE AS PER ACTUAL SITE CONDITIONS AND SHOULD BE CO-ORDINATED WITH OTHER SERVICES.



**LEGEND:**

1	100 Ø CI SOIL & VENT PIPE
2	1000 CI WASTE & VENT PIPE
3	1000 CI SOIL PIPE
4	1000 CI WASTE PIPE
5	500 UPVC SOIL PIPE
6	400 UPVC WASTE PIPE
7	320 UPVC WASTE PIPE
8	Ø UTW/DN TAKE
9	Ø TW/DN TAKE
10	100 Ø S/W PIPE
11	100 Ø R/W PIPE
FT	FLOOR TRAP - 100x100
FD	FLOOR DRAIN 50Ø
FOO	FLOOR CLEAN OUT
COP	CLEAN OUT PLUG
×	VALVE
MH	MANHOLE (900x600)mm
GT	GULLY TRAP (300x300)mm

**PROJECT**

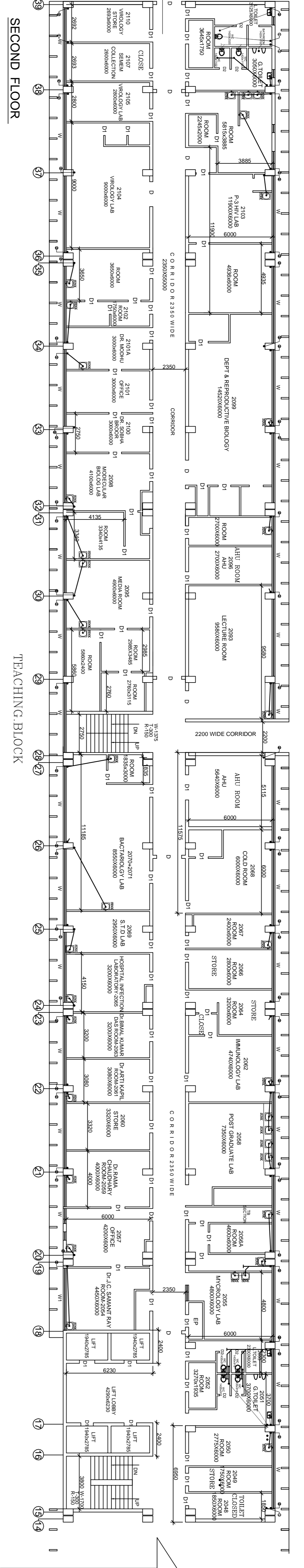
Augmentation of Plumbing System of EX. P.C. & Teaching Block For All India Institute of Medical Science New-Delhi

**TITLE PLUMBING DWG.**

**TENDER**  
AIIMS EXISTING BUILDING  
TEACHING BLOCK  
LOOR PLAN

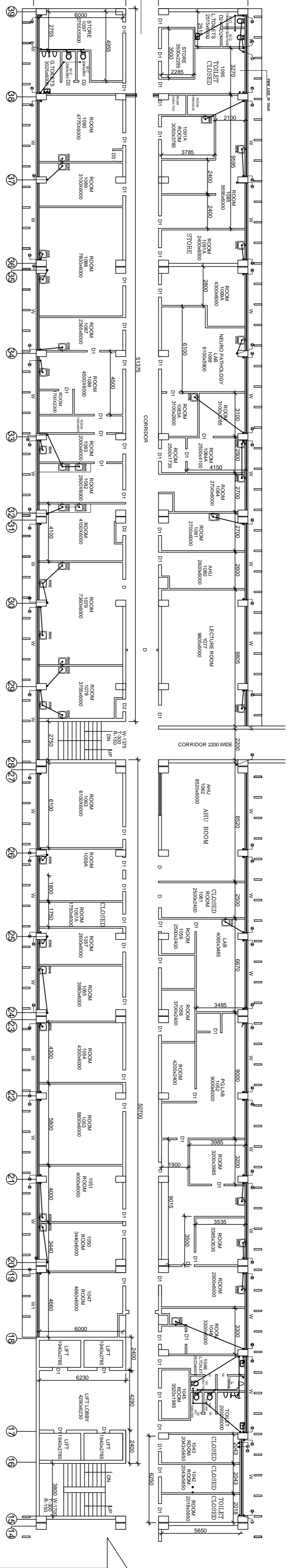
HSCC/AIIMS/TEACHING BLOCK/PL-1	
Drawing No.	
Job No.	1-200
Scale	1:200
Date:	28-06-2012
R.TYAGI	R.SUR
App. By:	Rev. By:
S.BHATT	Prep. By:

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(A GOVERNMENT OF INDIA ENTERPRISE)  
NEW DELHI



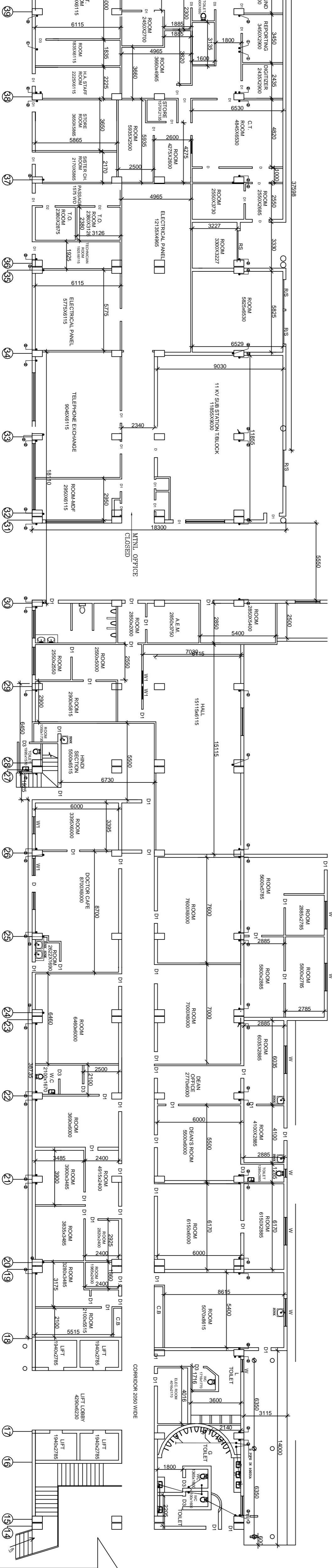
**SECOND FLOOR**

**TEACHING BLOCK**



**1st FLOOR PLAN**

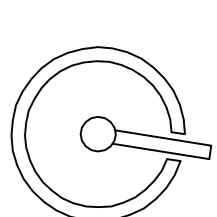
**TEACHING BLOCK**



**F BLOCK-GROUND FLOOR PLAN**

**TEACHING BLOCK**

- NOTES**
1. CONSULTANT'S RESPONSIBILITY IS LIMITED TO THE DESIGN OF THE PLUMBING SYSTEM AS SHOWN IN THIS DRAWING.
  2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL MATERIALS AND LABOUR REQUIRED FOR THE EXECUTION OF THE WORK.
  3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICES AND STRUCTURES.
  4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL NECESSARY PERMITS AND APPROVALS.
  5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL NECESSARY SAFETY MEASURES.
  6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL NECESSARY SIGNAGE.
  7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL NECESSARY RECORDS.
  8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL NECESSARY TRAINING.
  9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL NECESSARY DOCUMENTATION.
  10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL NECESSARY MAINTENANCE SCHEDULES.

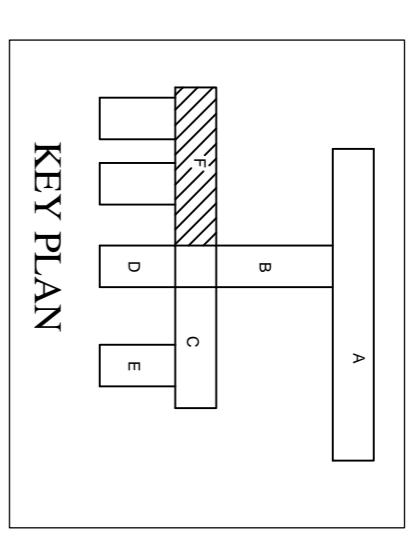


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**NORTH**

**NOTES**

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2. PLUMBING WORKS SHALL BE DONE AS PER ACTUAL SITE CONDITIONS AND SHOULD BE CO-ORDINATED WITH OTHER SERVICES.



**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
11	100 Ø R.W. PIPE
FT	FLOOR TRAP 100x100
FD	FLOOR DRAIN 50Ø
FOO	FLOOR CLEAN OUT
COP	CLEAN OUT PLUG
×	VALVE
MH	MANHOLE (900x600)mm
GT	GULLY TRAP(300x300)mm

**PROJECT**

Augmentation of Plumbing System of EX. P.C. & Teaching Block For All India Institute of Medical Science New-Delhi

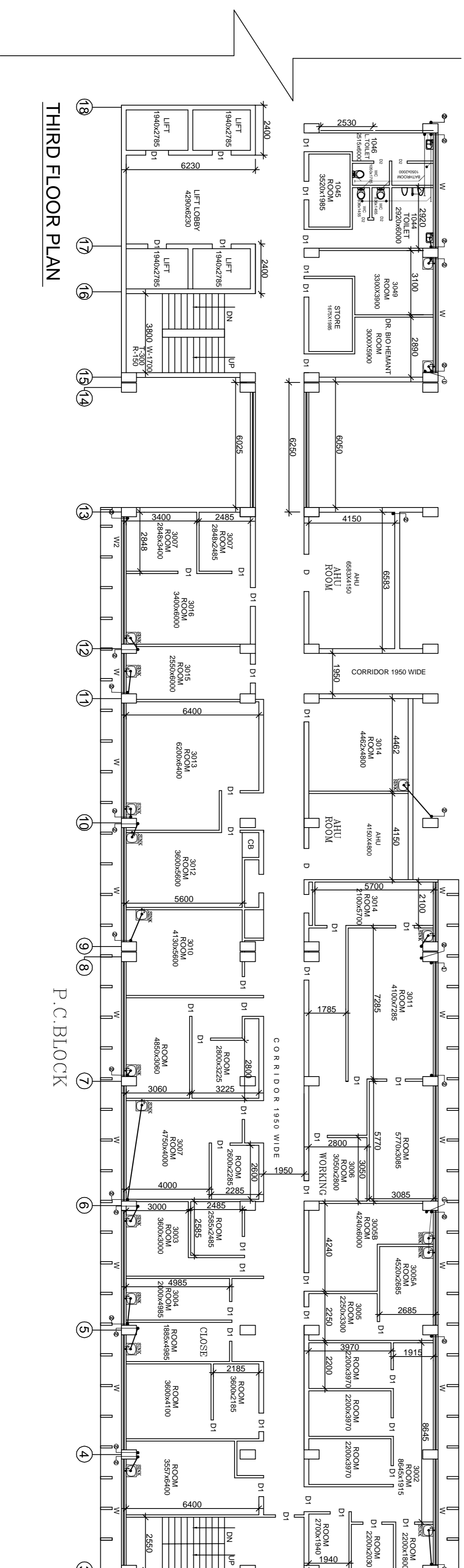
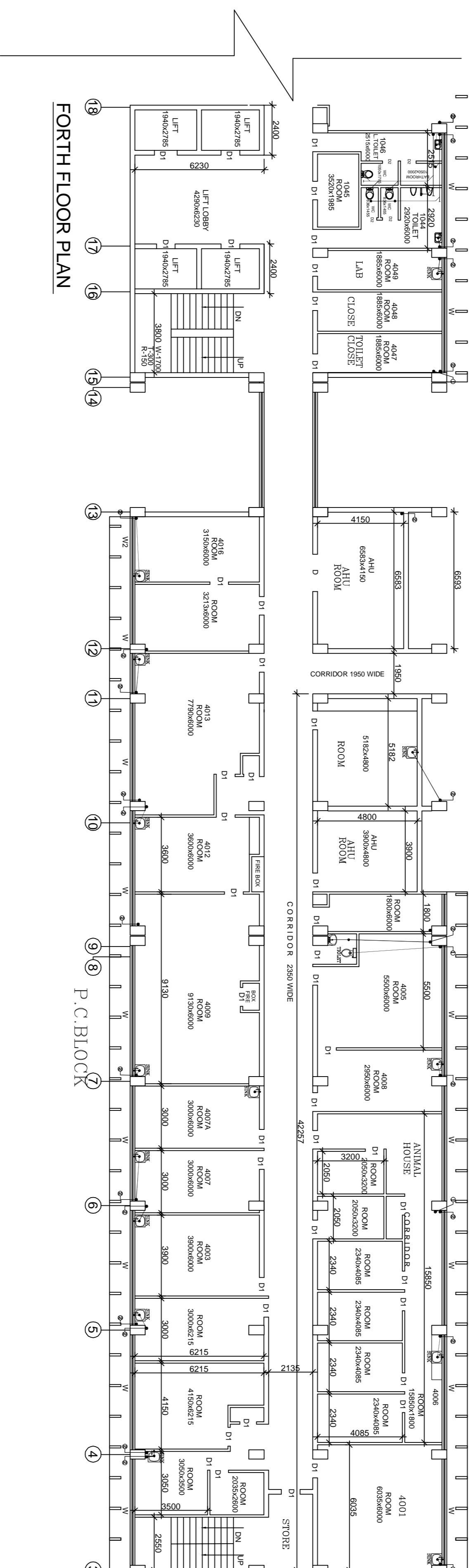
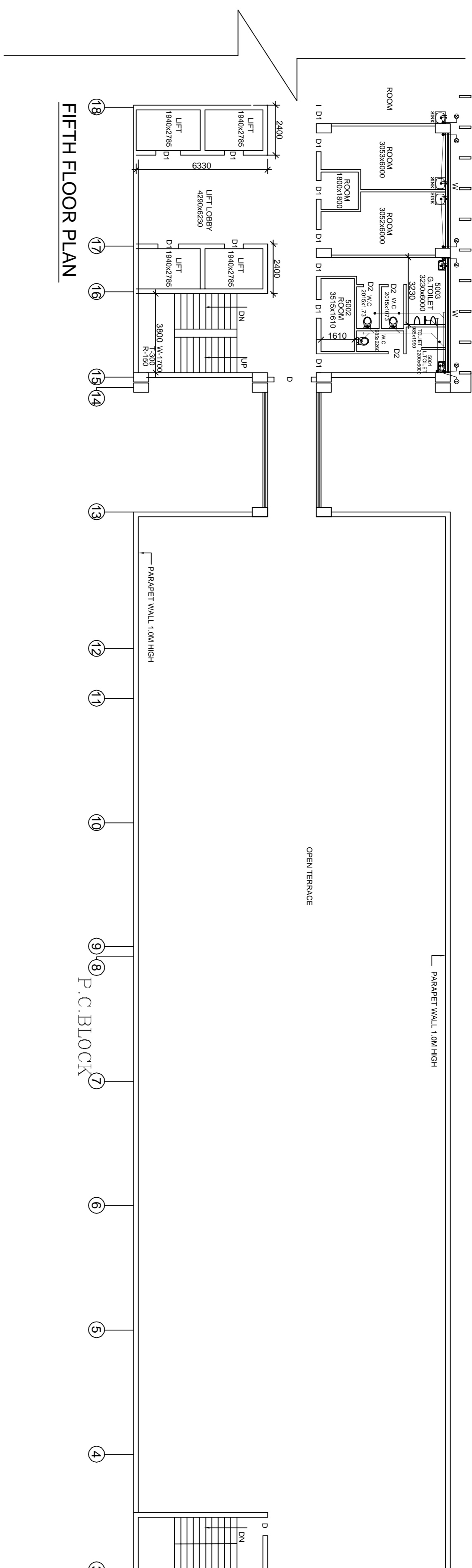
**TITLE PLUMBING DWG.**

**TENDER**  
AIIMS EXISTING BUILDING P.C.BLOCK LOOK PLAN

HSCC/IAIIMS/P.C.BLOCK/PL-	
Drawing No.	1-200
Job No.	28-06-2012
Scale	Date:
R.TYAGI	R.SUR
App. By:	Rev. By
S.BHATT	Prep. By

**NOTES**

1. GENERAL PLUMBING WORKS SHALL BE DONE AS PER ACTUAL SITE CONDITIONS AND SHOULD BE CO-ORDINATED WITH OTHER SERVICES.
2. PLUMBING WORKS SHALL BE DONE AS PER ACTUAL SITE CONDITIONS AND SHOULD BE CO-ORDINATED WITH OTHER SERVICES.
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**END OF  
VOLUME - VI**