

**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.**

Volume-VI

Tender Drawings

December' 2012

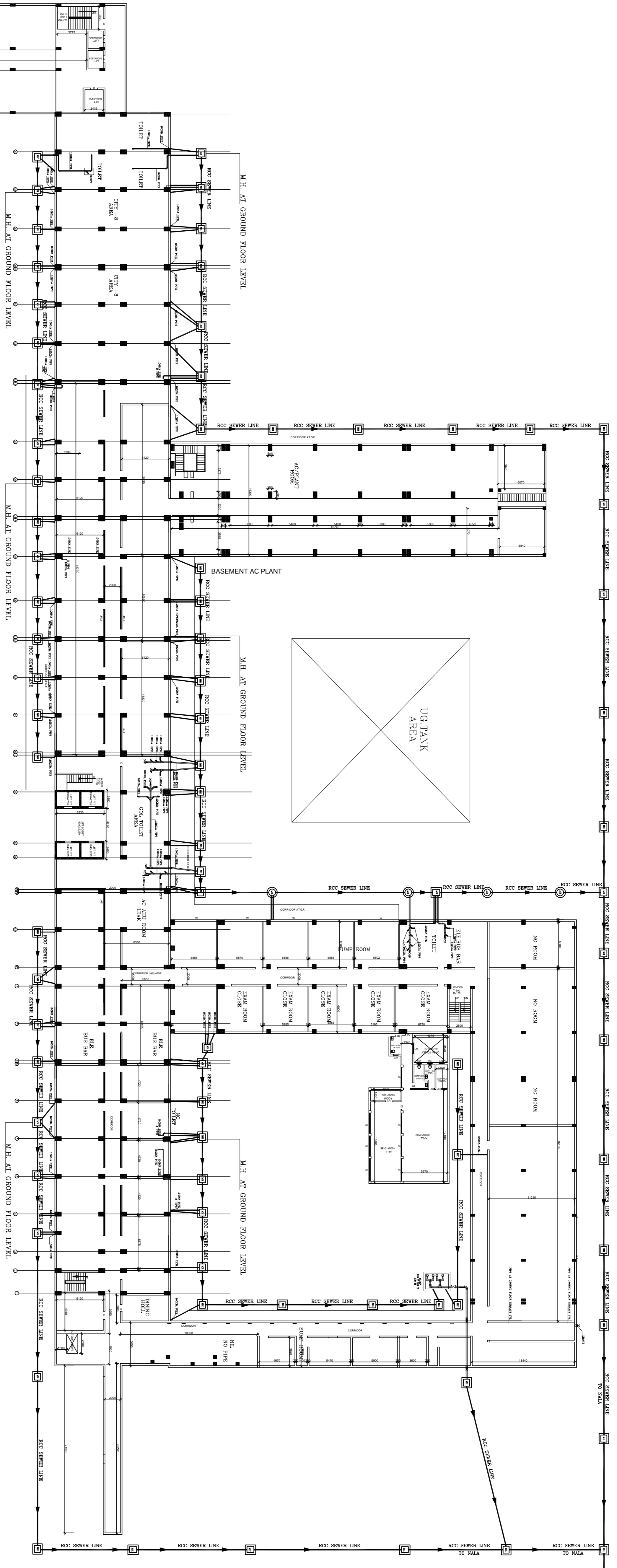


**HSCC (INDIA) LTD.
(CONSULTANTS & ENGINEERS FOR MEGA HOSPITALS & LABORATORIES)
E-6(A), sector-1, NOIDA(U.P) 201301 (India)**

Phone : 0120-2542436-40

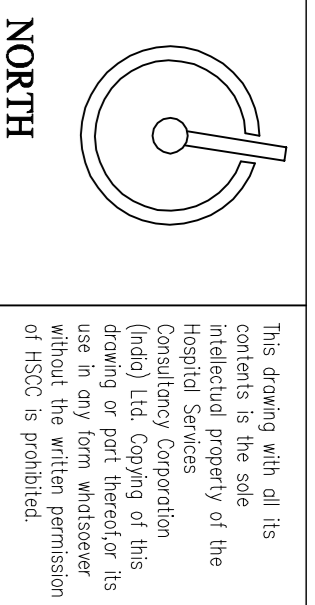
Fax : 0120-2542447

PQ tender No. HSCC/AIIMS/PL/2012/04



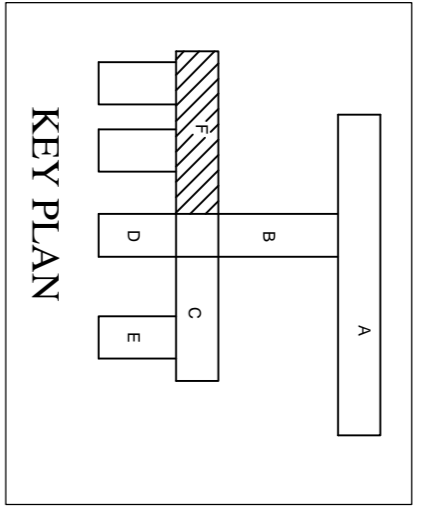
PROPOSED BUILDING

- NOTES**
1. ATTENDING / CONSULTING ENGINEERING THE SOIL & WASTE PIPE LINE OF BUILDING ASPECT STUDY AND MAKE NECESSARY CORRECTIONS.
 2. CONSTRUCTION OF SUMP & PUMP DISPOSAL OF COURTYARD ADAM RE-ENTERING INTO THE BASEMENT.
 3. CHANGE IN THE EXISTING POSSIBLE STAKES FROM GROUND FLOOR CEILING/WINDOW CILL LEVEL TO OUTSIDE/COURTYARD SEWER LINE.
 4. REPLACING THE GROUND FLOOR BREAKAGE PIPE.
 5. REMOVE THE EXISTING GROUND FLOOR BREAKAGE PIPE.
 6. REMOVE THE EXTERNAL WALLS WHEREVER SEWERAGE IS OCCURRING 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 PIPE AND FITTINGS OF WATER SUPPLY LINE WHICH NEED TO BE CARRIED IN VIEW OF EXISTING SPECIFIC CONDITION.
 10. REPAIRING THE MAINTENANCE AREA TO MINIMIZE THE DISTURBANCE AND WALL TIES IN SOME SPECIFIC AREAS.
 11. REPLACE THE EXTERNAL SEWER LINE TO SUITABLE POINT TOWARD INFLUENT STN.
 12. REPLACE THE EXTERNAL SEWER LINE TO SUITABLE POINT TOWARD INFLUENT STN.



NOTES

1. THE DRAWING IS PREPARED BASED ON OBSERVATIONS MADE DURING THE 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 175/DN.TAKE
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 (900x800)mm
GT	GULLY TRAP(900x300)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 I

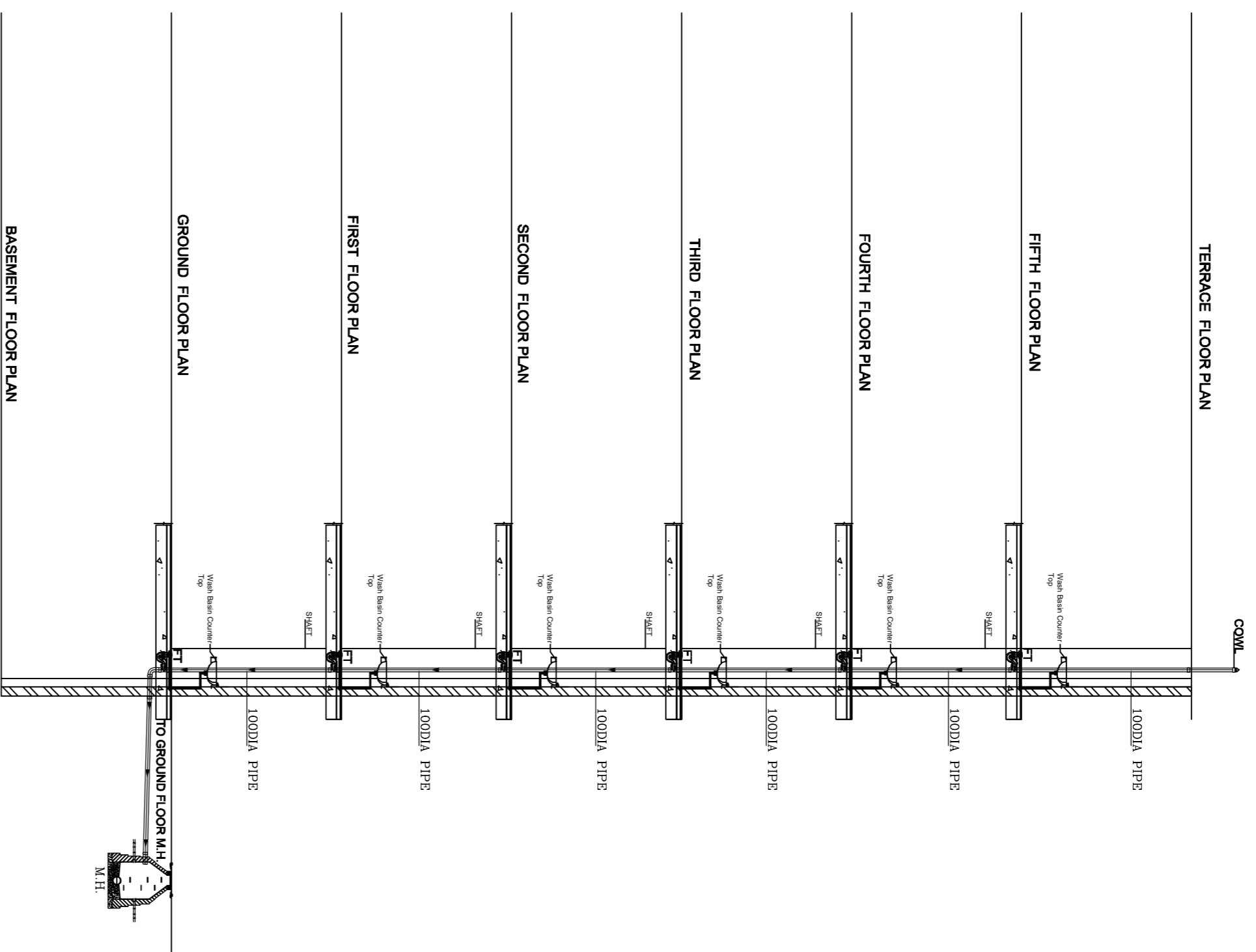
HSCC/E/IMS/PC-BLOCK/PL-1

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

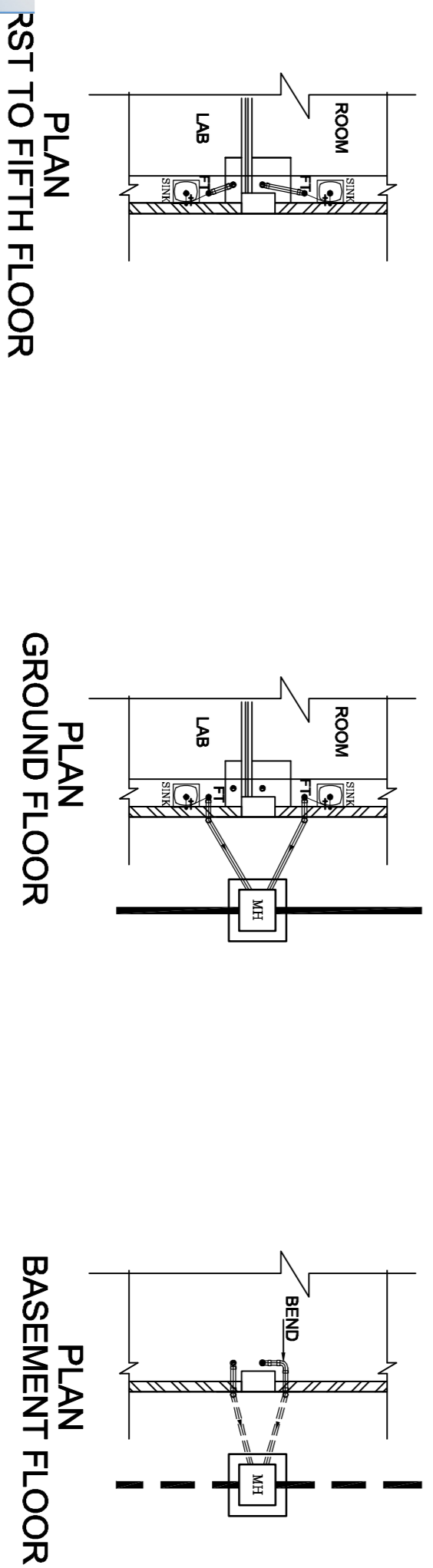
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 NEW DELHI INDIA

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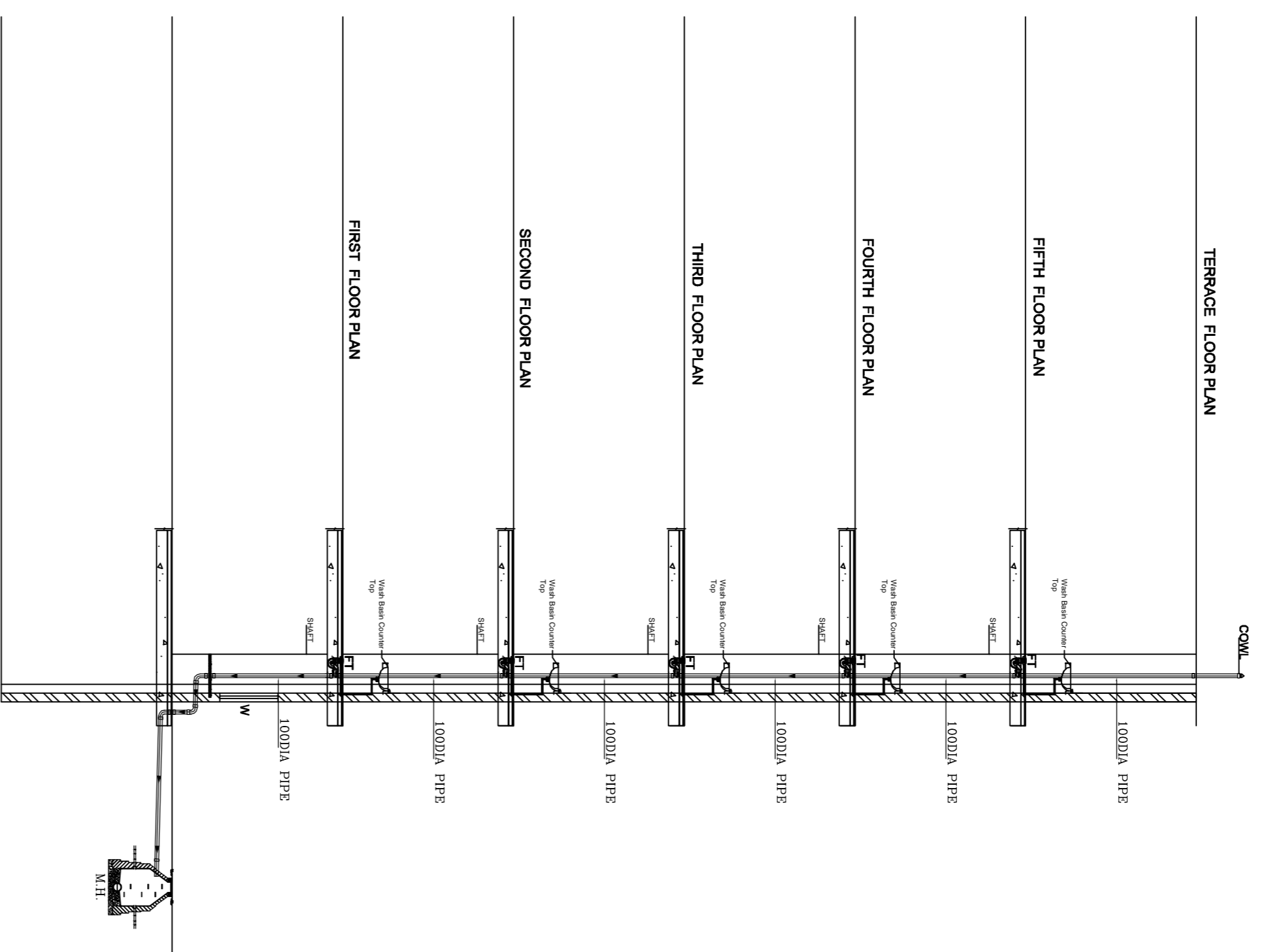
TYPICAL EXISTING DETAILS OF AIMMS LAB DISPOSAL SYSTEM



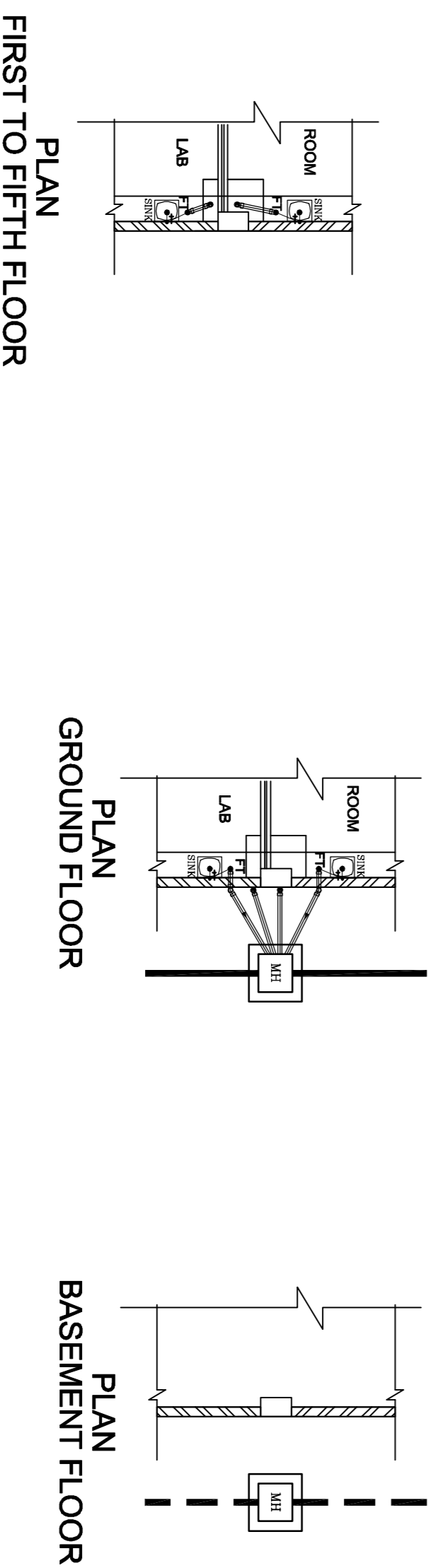
EXISTING TYPICAL STACK SECTION



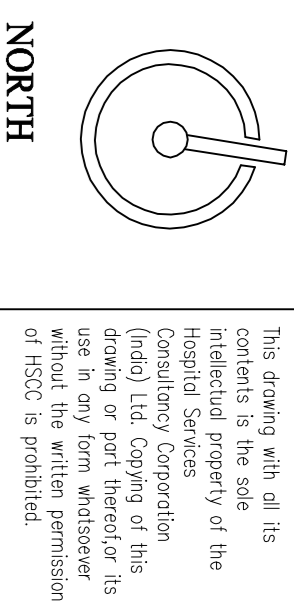
TYPICAL PROPOSED DETAILS OF AIMMS LAB DISPOSAL SYSTEM



PROPOSED MODIFIED TYPICAL STACK SECTION



- NOTES**
1. ATTENDING / CHANGING / INVERTING THE SOIL & WASTE PIPE LINE OF EXISTING BASEMENT TO AS PER ALL EXISTING AND SO-CALLED ABOVE GROUND DISPOSAL SYSTEMS TO BE REMOVED AND SO-CALLED ABOVE RE-CONNECTING INTO THE BASEMENT.
 2. CHANGE IN THE EXISTING POSSIBLE STACKS FROM GROUND FLOOR TO BASEMENT TO BE REMOVED AND SO-CALLED ABOVE GROUND DISPOSAL SYSTEMS TO BE REMOVED AND SO-CALLED ABOVE RE-CONNECTING INTO THE BASEMENT.
 3. CHANGE WINDOW GEL LEVEL TO GROUND/FLOOR/ROOF LEVEL.
 4. REMOVING THE EXTERNAL WALLS WHEREVER SETBACK IS OCCURRING FROM OUTSIDE.
 5. RETAINING/ALTERING THE NEW EXTERNAL SLOPE LINE IN PROPER SLOPE.
 6. REMOVING/ALTERING ABANDONED PIPES FROM BASEMENT.
 7. REMOVING THE PIPE SHIRT AT GROUND FLOOR AND REPAIRING THE SAME AFTER ATTENDING THE STACKS REPAIR/REPLACEMENT.
 8. REPLACING/REPAIRING THE VALVING AND OPERATION OF WATER SPECIFIC CONDITION.
 9. BARBICORDING THE MAINTENANCE AREA TO MINIMIZE THE DISTURBANCE AND WALL TIES IN SAME SPECIFIC AREAS.
 10. REPAIRING THE OPEN AREA OF TOILET/HER HERE AND FITTINGS/FLOOR AND WALL TIES IN SAME SPECIFIC AREAS.
 11. RETAINING/ALTERING THE EXTERNAL SLOPE LINE TO SHARABLE FROM TOWARD NEARBY/STEP.
 12. RETAINING/ALTERING THE EXTERNAL SLOPE LINE TO SHARABLE FROM TOWARD NEARBY/STEP.



- 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 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

PROJECT

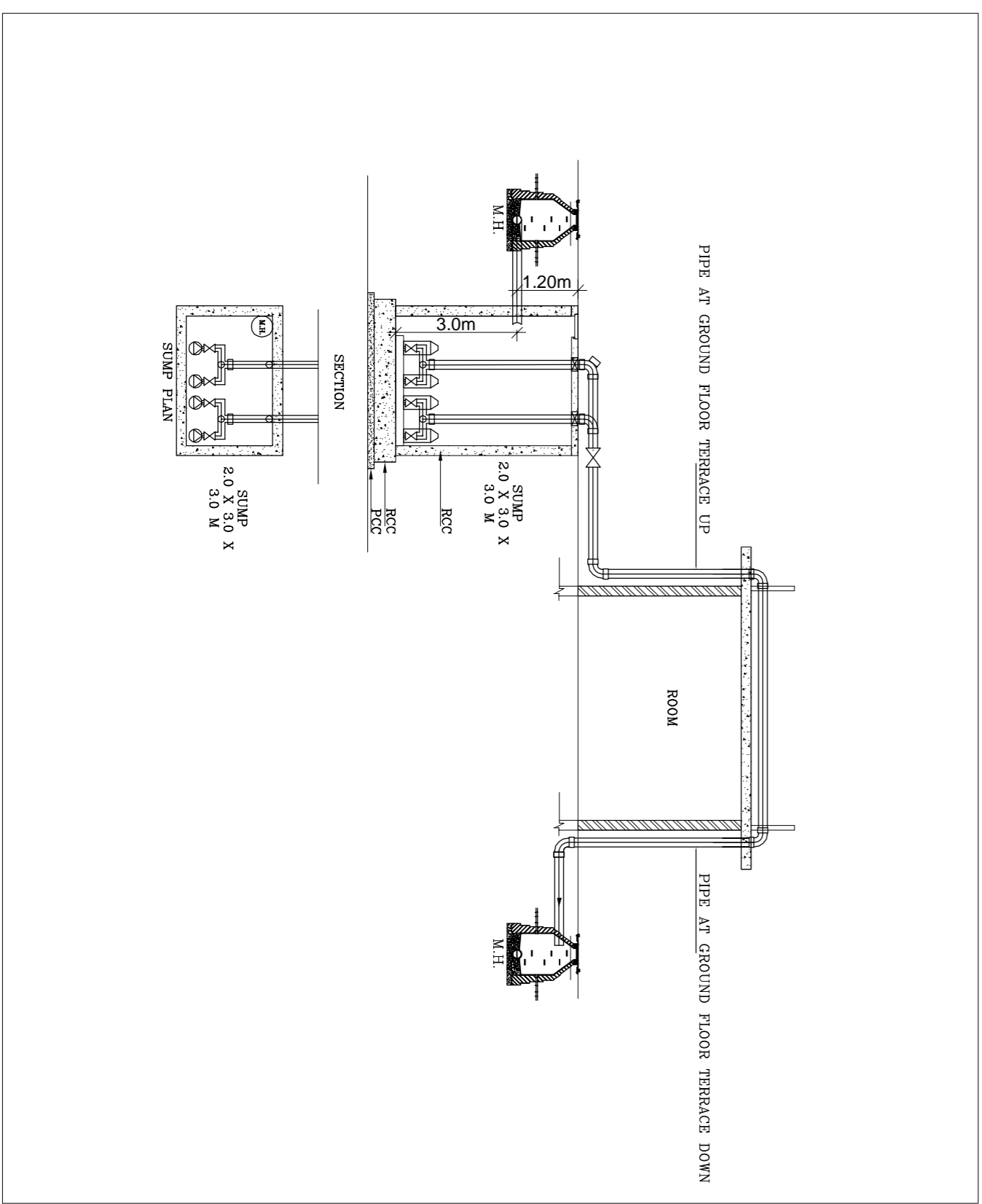
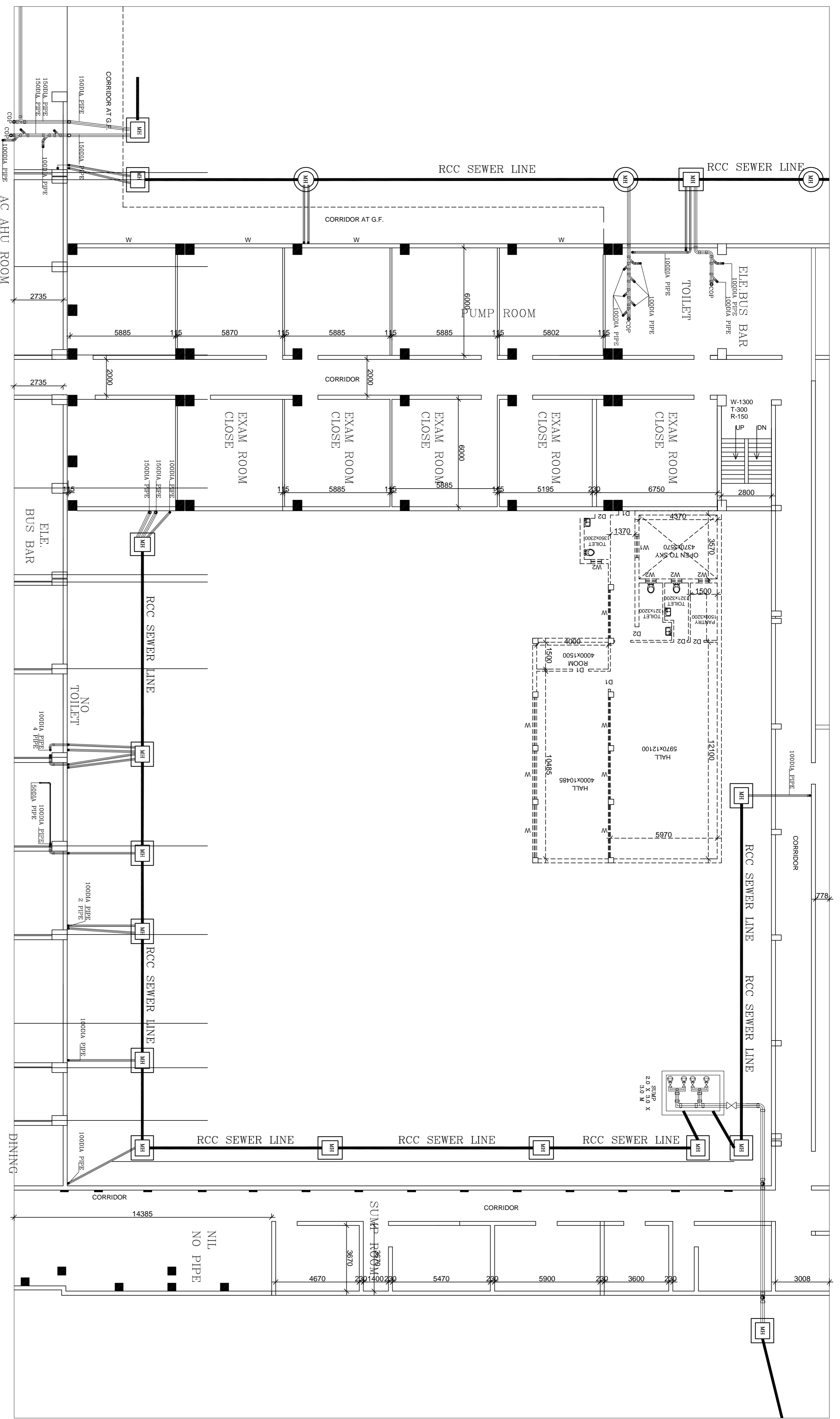
Agumentation of Plumbing
System of
EX. P.C. & Teaching Block
For
All India Institute of
Medical Science
New-Delhi

TITLE PLUMBING DWG.

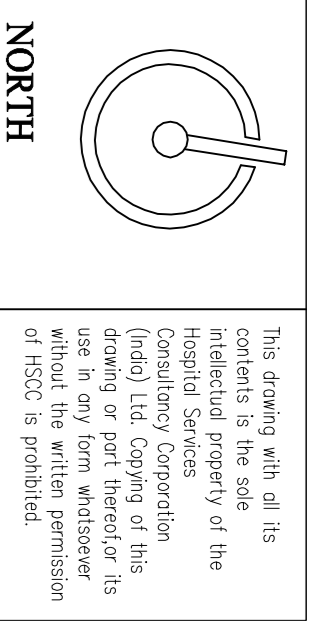
TENDER
TYPICAL EXISTING/
PROPOSED
DETAILS OF AIMMS LAB
DISPOSAL SYSTEM
OPTION-2

Drawings No.	HISCC/RAE/AIMMS/P-C/BLACK/PL-	
Job No.	NTS	28-06-2012
Scale		
App. By.	R.TYAGI	Rev. By
Prep. By	R.SUR	S.BHATT

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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 TO BE DONE AS PER DRAWING AND TO BE APPROVED BY THE ARCHITECT.
 3. CHANGE IN THE EXISTING POSSIBLE STAIRS FROM GROUND FLOOR TO BE DONE AS PER ARCHITECT'S REQUIREMENT.
 4. REPAIRING THE GROUND FLOOR BRANCHED PIPE.
 5. REPAIRING THE EXISTING WALLS WHEREVER SERVICE IS OCCURRING IN A SYSTEMATIC WAY.
 6. REPAIRING/COVERING THE NEW EXTERNAL SEWER LINE IN PROPER SLOPE IN A SYSTEMATIC WAY.
 7. REMOVING ALL/OVER EXISTING PIPES FROM BASEMENT.
 8. AFTER ATTENDING THE WORK, THE STAIRS SHALL BE REPAIRING/REWORKING THE MAKE/FITTING AND PORTION OF WATER SAFETY LINE WHICH NEED TO BE COVERED IN VIEW OF EXISTING.
 9. REPAIRING/REWORKING THE MAINTENANCE AREA TO MINIMIZE THE DISTURBANCE.
 10. REPAIRING THE MAINTENANCE AREA TO MINIMIZE THE DISTURBANCE AND WALL TILES IN SOME SPECIFIC AREAS.
 11. REPAIR OF SUNKEN AREA OF TOILET/FLOOR PIPE AND FITTING/STAIR WALKWAY/STP.
 12. REPLACE THE EXTERNAL SEWER LINE TO SUITABLE POINT TOWARD WALKWAY/STP.



NOTES

1. THE DRAWING IS PREPARED BASED ON OBSERVATIONS MADE DURING SITE VISIT OF LIMITED EXPOSED PARTS AND INFORMATION OBTAINED FROM AGENCIES 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.TAKE
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

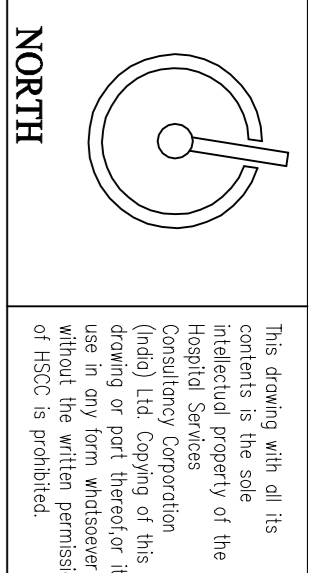
Agumentation of Plumbing System of EX. P.C. & Teaching Block For All India Institute of Medical Science New-Delhi

TITLE PLUMBING DWG.

TENDER PROPOSED SUMP DETAILS SUMP PLAN / SECTION

HSCC/KA/EA/IMS/P-C/BLACK/PL-	
Drawing No.	NTS
Job No.	Scale
App. By.	Rev. By.
R.TYAGI	R.SUR
Prep. By.	S.BHATT
Date:	28-06-2012

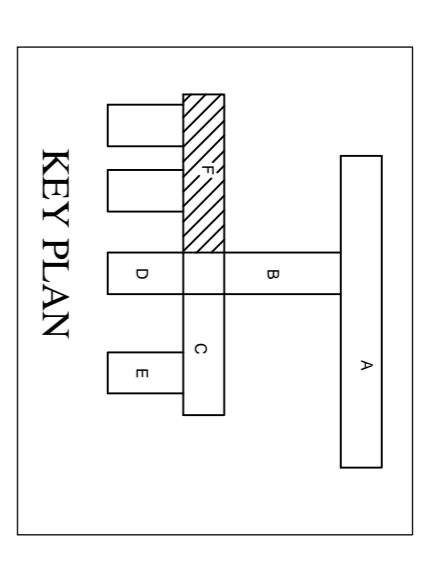
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NORTH

NOTES

1. THE DRAWING IS PREPARED BASED ON OBSERVATIONS MADE ON THE SITE AND IS NOT TO BE USED FOR ANY OTHER PURPOSE.
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

PROJECT

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

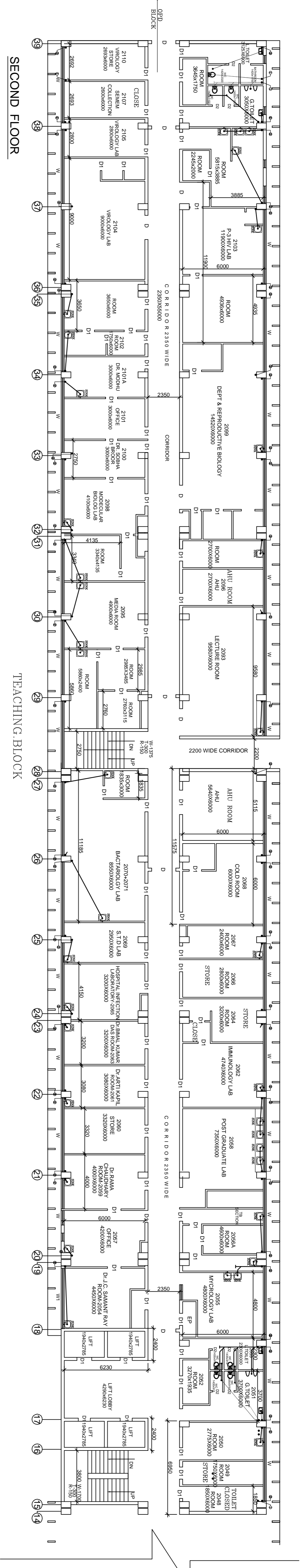
TITLE PLUMBING DWG.

TENDER
AIIMS EXISTING BUILDING
TEACHING BLOCK
LOOR PLAN

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

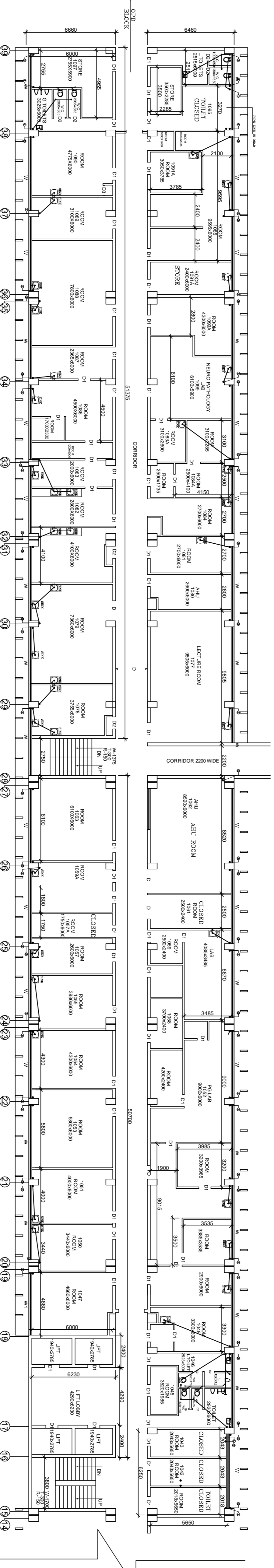
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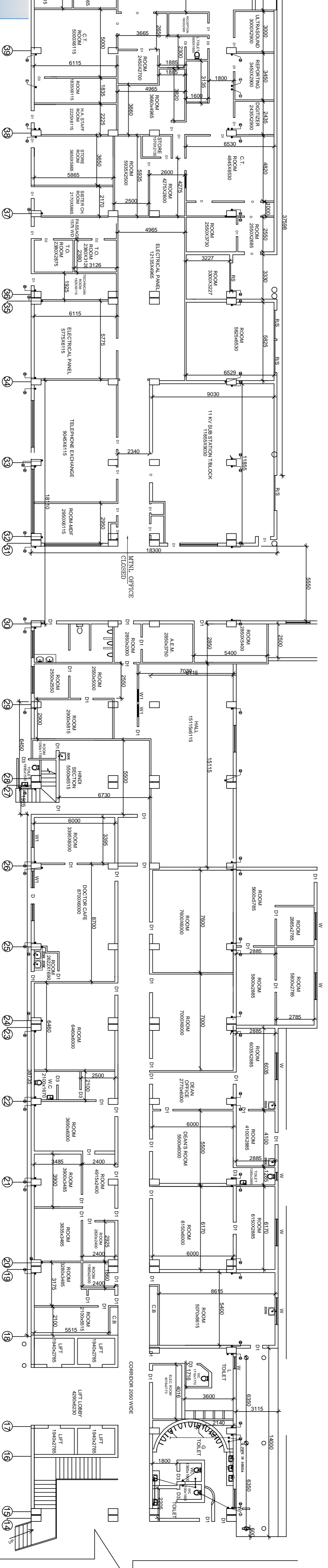
SECOND FLOOR

TEACHING BLOCK



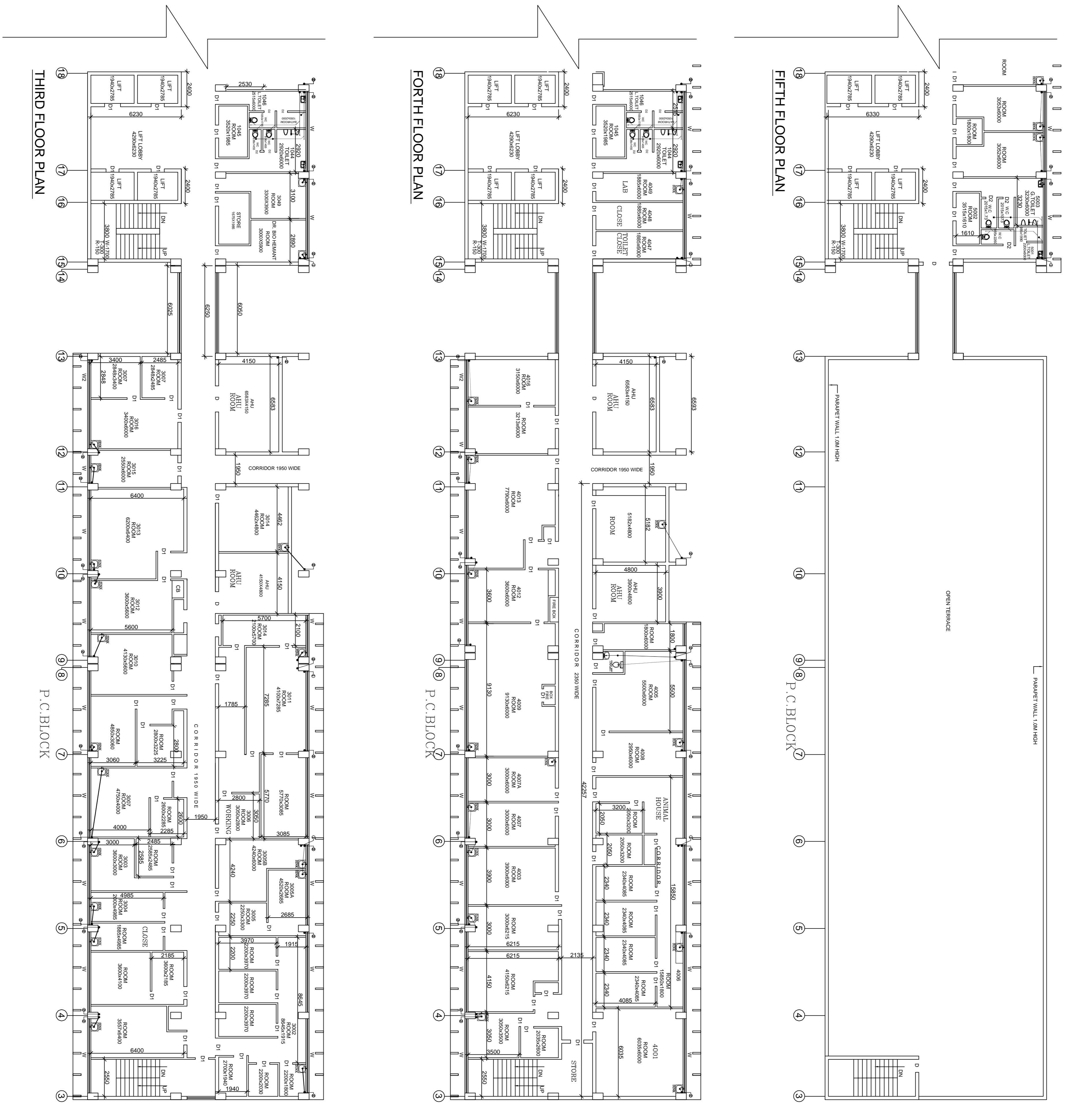
1st FLOOR PLAN f BLOCK

TEACHING BLOCK



GROUND FLOOR PLAN

TEACHING BLOCK



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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
11	100 Ø R/W PIPE
FD	FLOOR DRAIN 50Ø
FOO	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

AIIMS EXISTING BUILDING P.C.BLOCK LOOR PLAN

HSCC/AIIMS/P.C.BLOCK/PL-

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

NOTES

1. GENERAL / ZONING / SETBACKS / HEIGHTS / AREA / VOLUMES / PERMITS / etc. are to be obtained from the local authorities.
2. CONSULT THE ARCHITECTURAL DRAWING FOR THE EXISTING BUILDING.
3. CHECK THE EXISTING BUILDING FOR THE PLUMBING SYSTEM.
4. CHECK THE EXISTING BUILDING FOR THE ELECTRICAL SYSTEM.
5. CHECK THE EXISTING BUILDING FOR THE MECHANICAL SYSTEM.
6. CHECK THE EXISTING BUILDING FOR THE CIVIL WORKS.
7. CHECK THE EXISTING BUILDING FOR THE LANDSCAPE WORKS.
8. CHECK THE EXISTING BUILDING FOR THE WATER SUPPLY SYSTEM.
9. CHECK THE EXISTING BUILDING FOR THE SEWERAGE SYSTEM.
10. CHECK THE EXISTING BUILDING FOR THE RAINWATER SYSTEM.
11. CHECK THE EXISTING BUILDING FOR THE GAS SUPPLY SYSTEM.
12. CHECK THE EXISTING BUILDING FOR THE TELEPHONE SYSTEM.
13. CHECK THE EXISTING BUILDING FOR THE CABLE SYSTEM.
14. CHECK THE EXISTING BUILDING FOR THE FIRE ALARM SYSTEM.
15. CHECK THE EXISTING BUILDING FOR THE SECURITY SYSTEM.
16. CHECK THE EXISTING BUILDING FOR THE ACCESS CONTROL SYSTEM.
17. CHECK THE EXISTING BUILDING FOR THE VIDEO SURVEILLANCE SYSTEM.
18. CHECK THE EXISTING BUILDING FOR THE PUBLIC ADDRESS SYSTEM.
19. CHECK THE EXISTING BUILDING FOR THE MUSIC SYSTEM.
20. CHECK THE EXISTING BUILDING FOR THE LIGHTING SYSTEM.

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**END OF
VOLUME - VI**