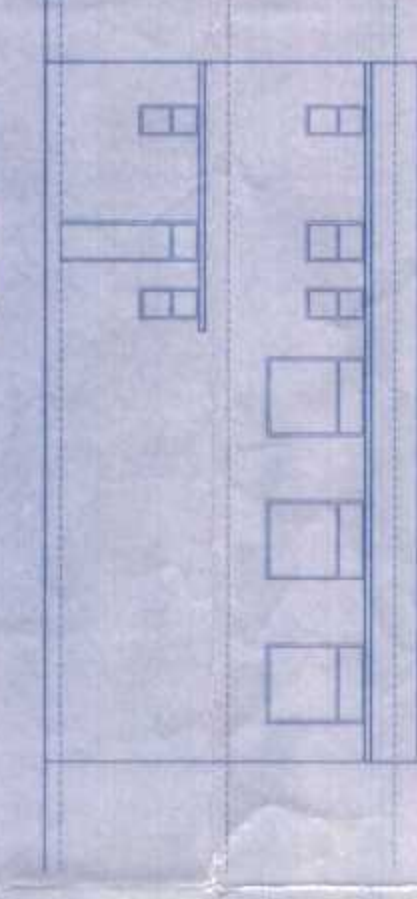
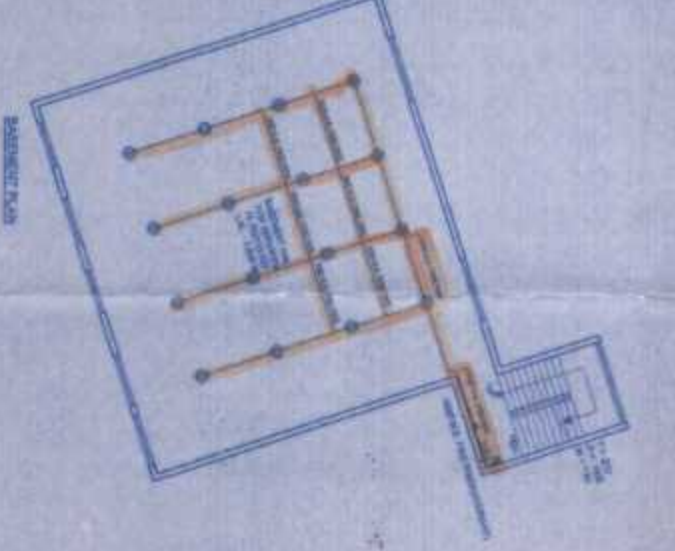
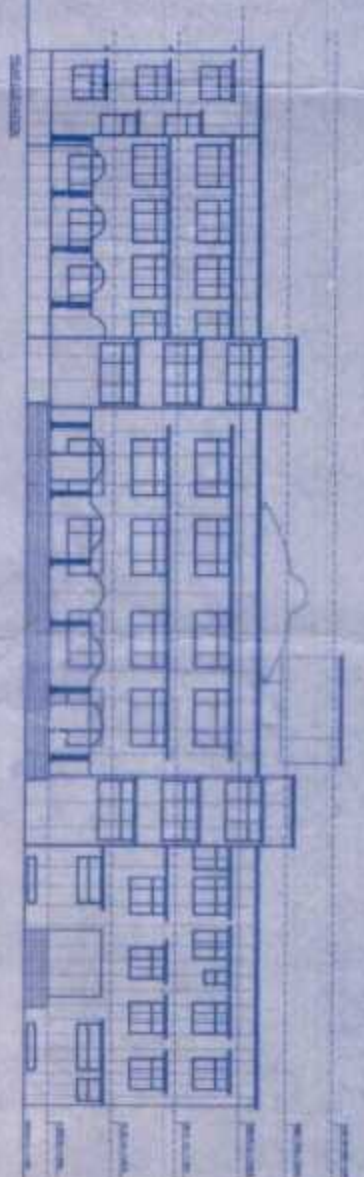
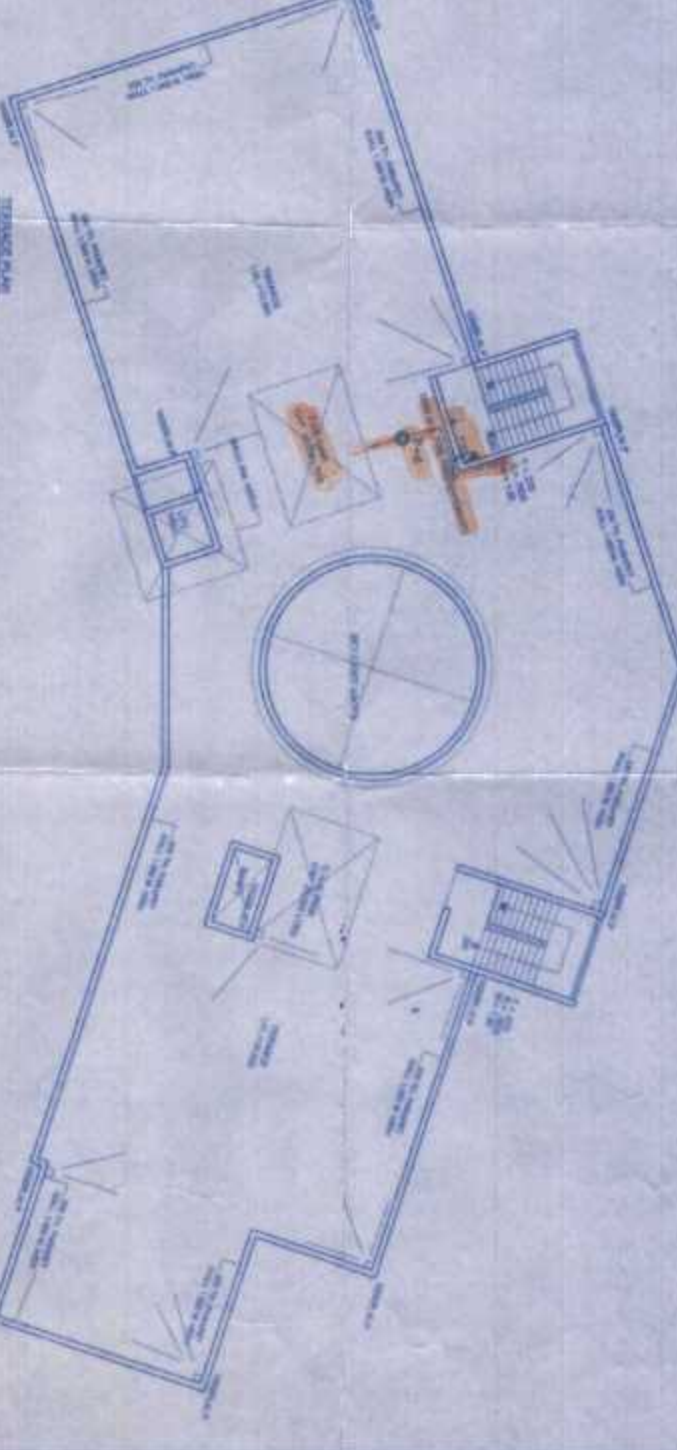
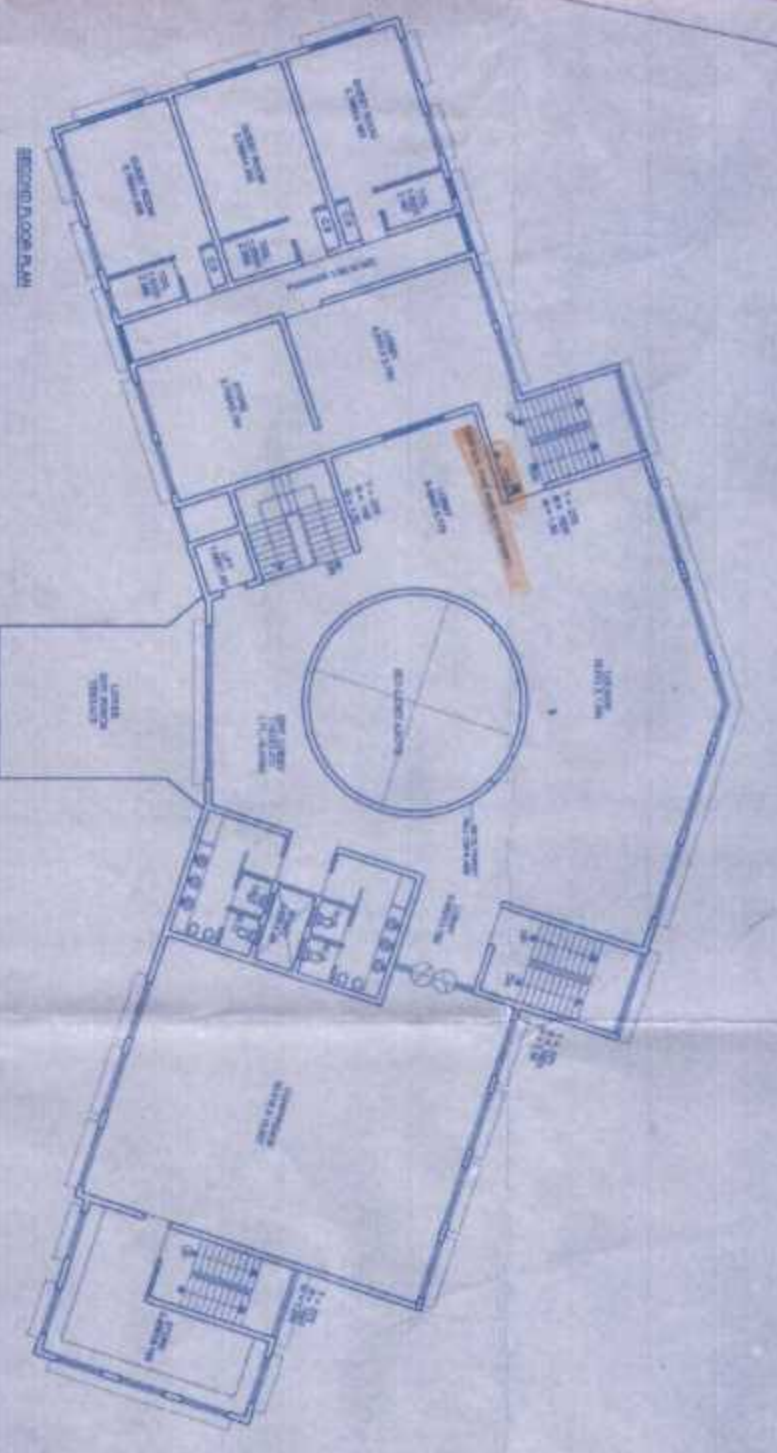
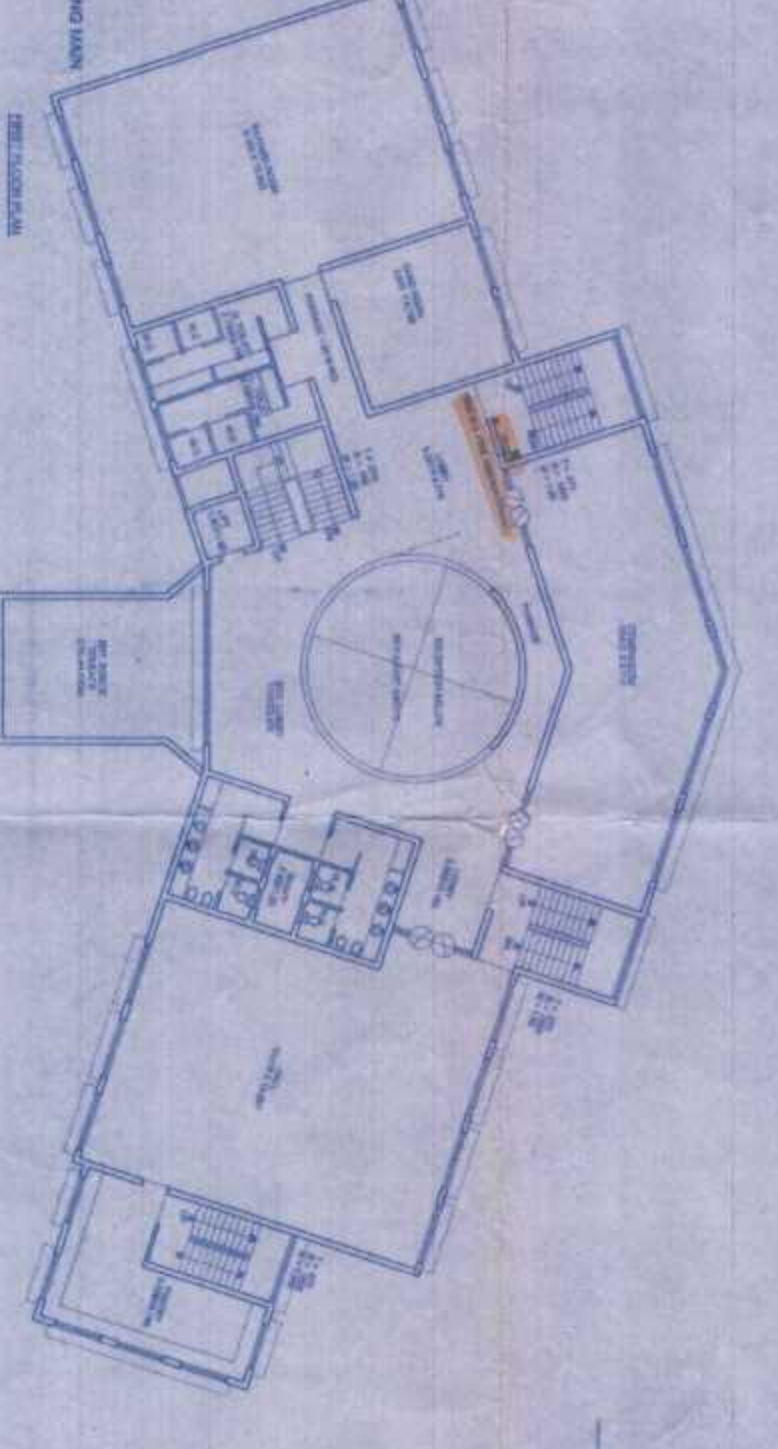
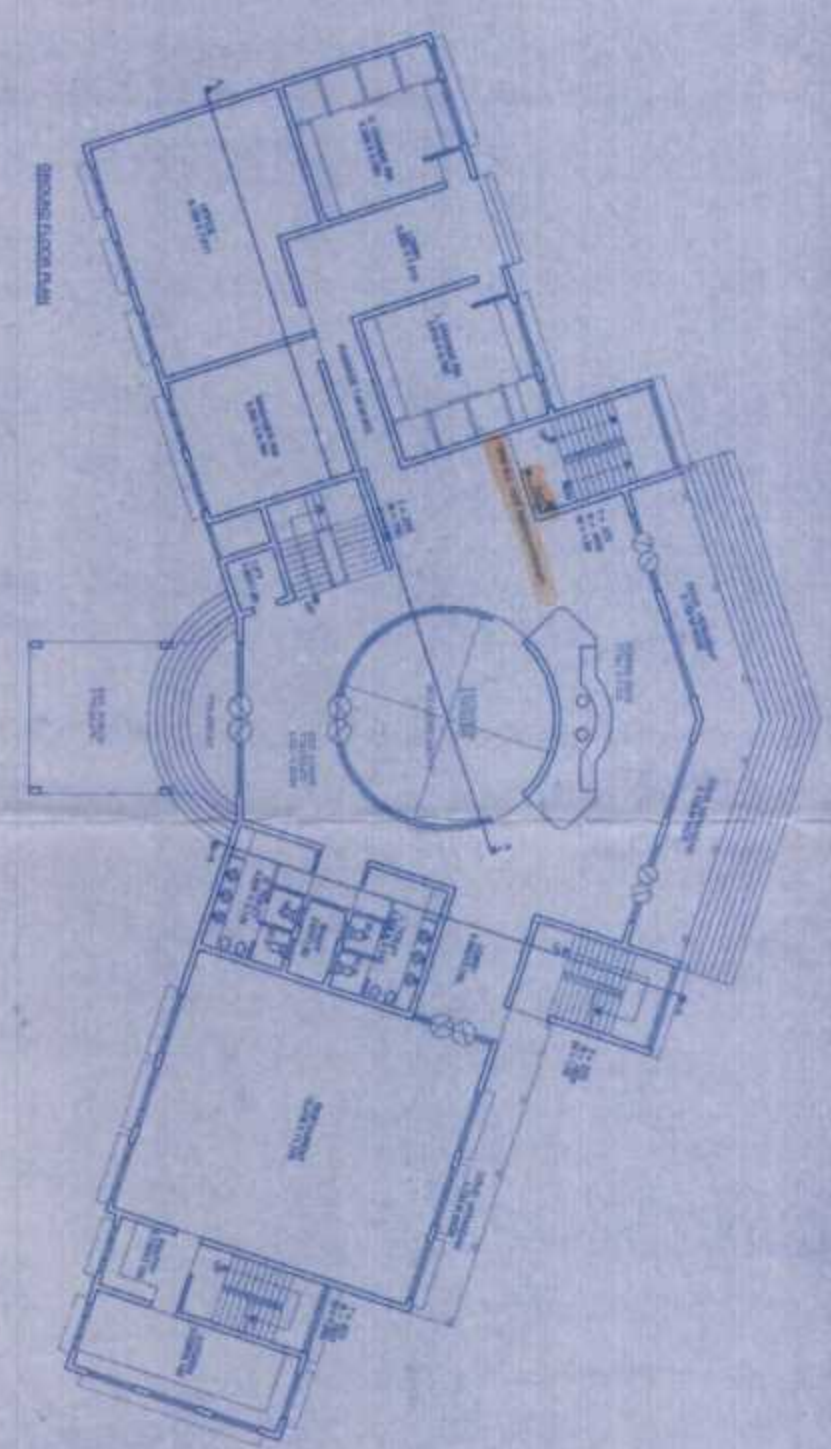
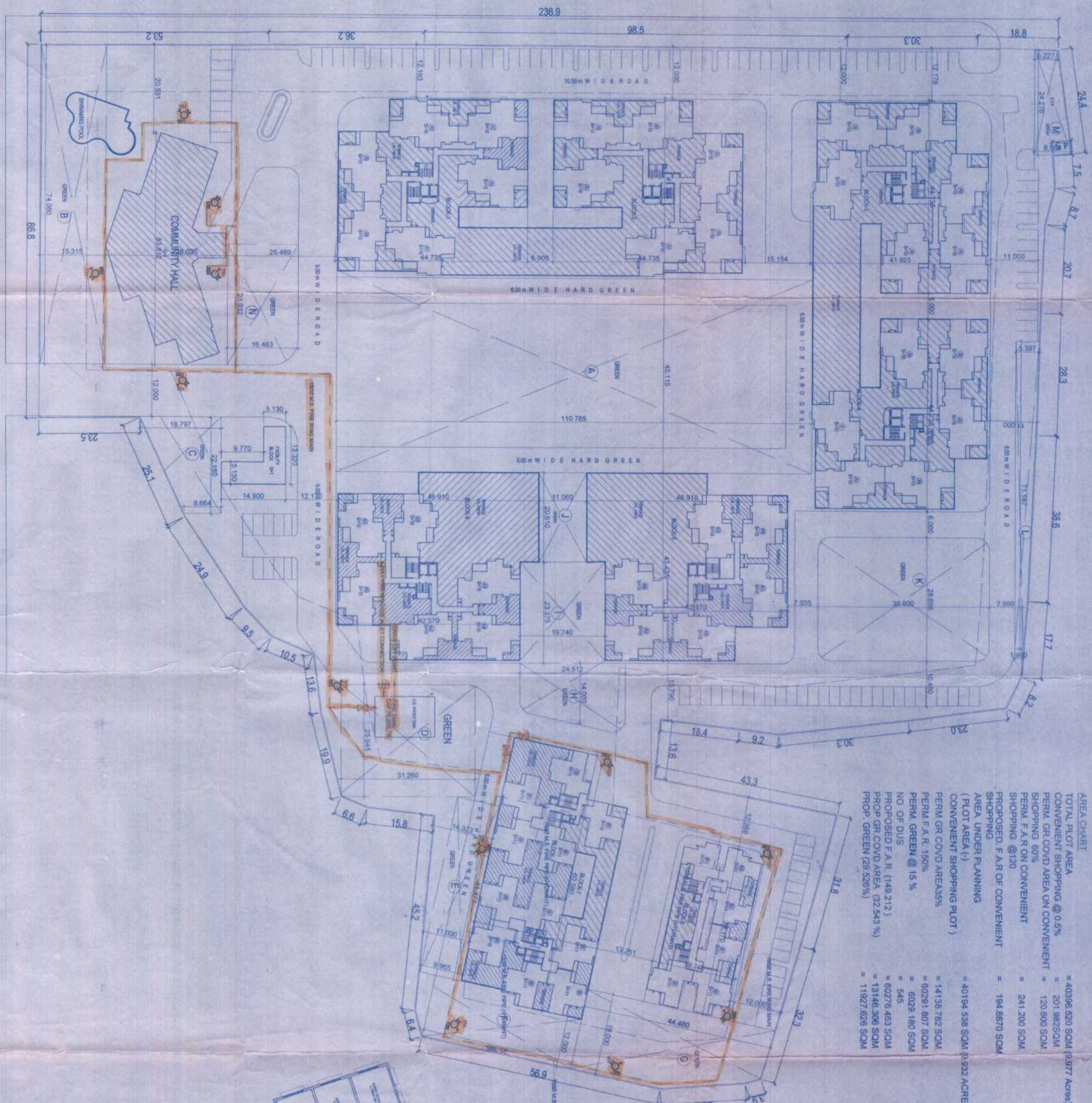




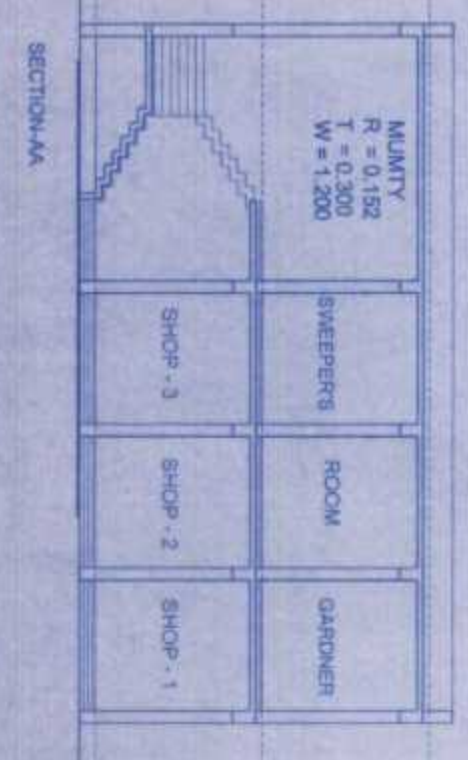


AREA CHART

TOTAL PLOT AREA	= 40366.520 SQM (9377 ACRES)
CONVENIENT SHOPPING @ 0.6%	= 241.200 SQM
PERM. GR. COVD AREA ON CONVENIENT	= 120.600 SQM
SHOPPING @ 0.6%	= 241.200 SQM
PERM. F.A.R. ON CONVENIENT	= 194.880 SQM
PROPOSED F.A.R. OF CONVENIENT	= 194.880 SQM
AREA UNDER PLANNING	= 40194.536 SQM (9322 ACRES)
(TOTAL AREA)	= 14138.782 SQM
CONVENIENT SHOPPING (PLOT)	= 60281.807 SQM
PERM. GR. COVD AREA @ 0.6%	= 6028.180 SQM
PERM. F.A.R. @ 0.6%	= 545
NO. OF DUS	= 60278.453 SQM
PROPOSED F.A.R. @ 0.6%	= 13146.306 SQM
PROPOSED F.A.R. @ 0.6%	= 11927.625 SQM



ELEVATION NO. 2



SECTION AA

LEGEND:

- FIRE HOUSE CABINET
- 9Ltr. WATER GAS PRESSURE TYPE
- FIRE EXTINGUISHER
- 4.5kg CO<sub>2</sub> TYPE FIRE EXTINGUISHER
- FIRE RING MAIN LINE
- YARD HYDRANT

PROPOSED GROUP HOUSING BOARD  
AIR FORCE NAVAL HOUSING BOARD  
AT PLOT NO. -  
SECTION 4 B PART  
MEERUT

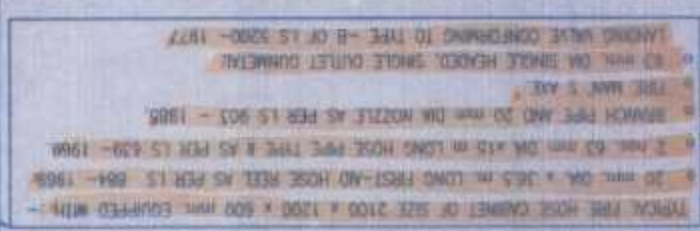
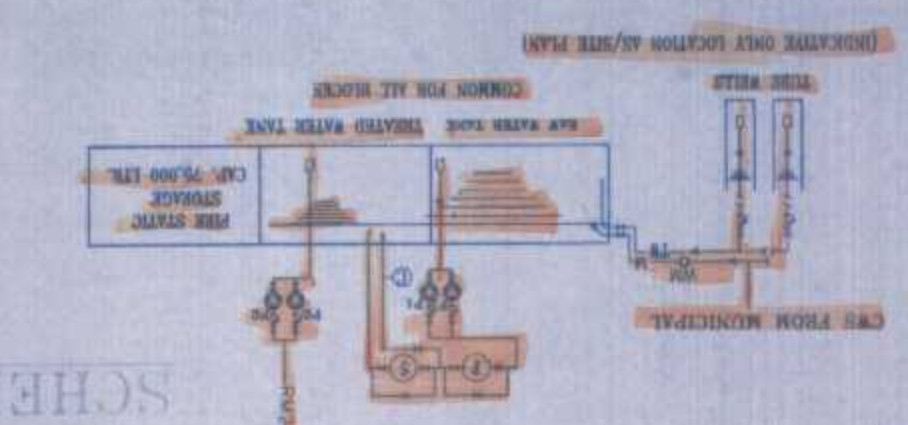
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Dwg. NO: FF-01



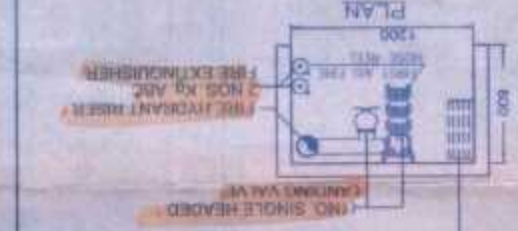
ARCHITECTS:  
GARG & ASSOCIATES  
ARCHITECTS, ENGINEERS, PLANNERS  
46 REGAL BUILDING, CONN. PLACE  
NEW DELHI - 110001  
PHONE: 011-23742808, 23742599

OWNER'S SIGN:  
Sd/-  
New Delhi-110001



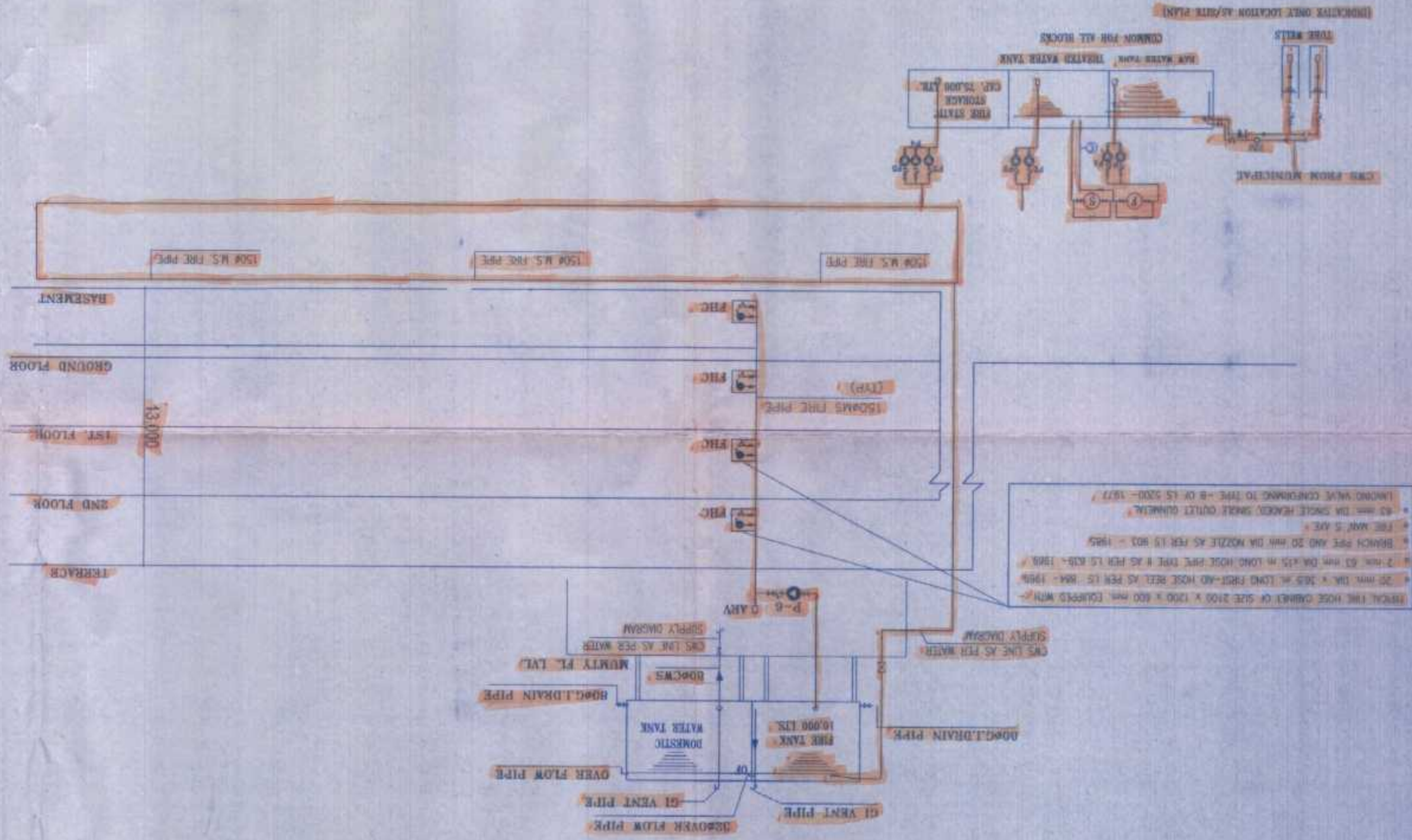


(10) FOR RESIDENTIAL APARTMENTS		(11) FOR RESIDENTIAL APARTMENTS	
(a) 15 m and above but not exceeding 35 m in height	Proposed height of building < 33.015 m	Proposed height of building < 33.015 m	Proposed height of building < 33.015 m
Type of installation		Type of installation	
Required	Required as per NBC	Required as per NBC	Required as per NBC
Provided	Provisions in the building	Provided	Provisions in the building
1 Fire Extinguisher	Required	Required	Provided
2 Hose Reel	Required	Required	Provided
3 Dry Riser	Not Required	Not Required	Not Provided
4 Wet Riser	Not Required	Not Required	Not Provided
5 Down Comer	Required	Required	Provided
6 Yard Hydrant	Not Required	Not Required	Not Provided
7 Automatic Sprinkler System	Not Required	Not Required	Not Provided
8 Manually Operated Electric Alarm System	Required	Required	Not Provided
9 Automatic Detection and Alarm System	Not Required	Not Required	Not Provided
10 Underground Static Water Storage Tank	Not Required	Not Required	Not Provided
11 Terrace Tank	Required 25000 litres	Required 25000 litres	Provided 25000 litres
12 Pump Near Underground Static Water Storage Tank	Not Required	Not Required	Not Provided
13 Terrace Pump With Minimum Pressure of 3 kg/cm <sup>2</sup> at Terrace Level	Required 900 LPM	Required 900 LPM	Provided

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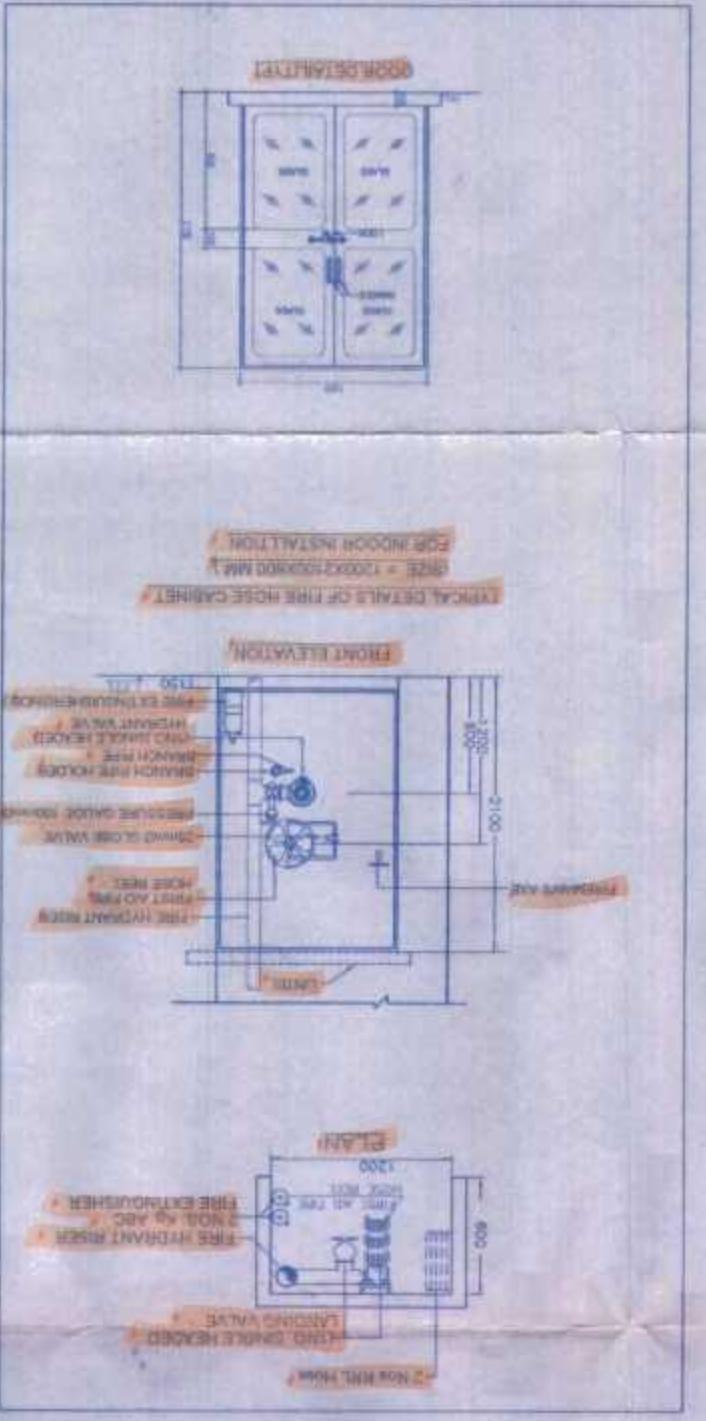


NOTES:  
 1. THIS IS A SCHEMATIC DIAGRAM ONLY REPRESENTING SCHEMATIC SCHEMES, MUST BE CO-ORDINATED WITH RELEVANT DRAWINGS OF FLOOR PLANS.  
 2. THE SUCTION TO THE PUMPS SHALL BE POSITIVE (FLOODED).  
 3. ALL DIAS MENTIONED IN DRAWINGS ARE INTERNAL DIAMETERS.  
 4. OF PIPING & TO BE FOLLOWED IRRESPECTIVE OF MATERIAL TO BE USED.  
 5. THE SIZE OF PVP SHALL BE SAME AS OF DIA OF DOWN TAKE PIPE.  
 6. WHERE IT IS LOCATED IN THE DRAWING.



1. 150mm DIA. x 16.5m H. LOW PRESS. HOSE REEL AS PER IS: 1500 - 1985.  
 2. 30mm DIA. x 16.5m H. LOW PRESS. HOSE REEL AS PER IS: 1500 - 1985.  
 3. 25mm DIA. x 16.5m H. LOW PRESS. HOSE REEL AS PER IS: 1500 - 1985.  
 4. 20mm DIA. x 16.5m H. LOW PRESS. HOSE REEL AS PER IS: 1500 - 1985.  
 5. 15mm DIA. x 16.5m H. LOW PRESS. HOSE REEL AS PER IS: 1500 - 1985.  
 6. 10mm DIA. x 16.5m H. LOW PRESS. HOSE REEL AS PER IS: 1500 - 1985.  
 7. 8mm DIA. x 16.5m H. LOW PRESS. HOSE REEL AS PER IS: 1500 - 1985.  
 8. 6mm DIA. x 16.5m H. LOW PRESS. HOSE REEL AS PER IS: 1500 - 1985.  
 9. 5mm DIA. x 16.5m H. LOW PRESS. HOSE REEL AS PER IS: 1500 - 1985.  
 10. 4mm DIA. x 16.5m H. LOW PRESS. HOSE REEL AS PER IS: 1500 - 1985.  
 11. 3mm DIA. x 16.5m H. LOW PRESS. HOSE REEL AS PER IS: 1500 - 1985.  
 12. 2mm DIA. x 16.5m H. LOW PRESS. HOSE REEL AS PER IS: 1500 - 1985.  
 13. 1.5mm DIA. x 16.5m H. LOW PRESS. HOSE REEL AS PER IS: 1500 - 1985.  
 14. 1mm DIA. x 16.5m H. LOW PRESS. HOSE REEL AS PER IS: 1500 - 1985.  
 15. 0.5mm DIA. x 16.5m H. LOW PRESS. HOSE REEL AS PER IS: 1500 - 1985.

1. FIRE EXTINGUISHER	1. FIRE EXTINGUISHER
2. DRY RISER	2. DRY RISER
3. DOWN COMER	3. DOWN COMER
4. WHT. RISER	4. WHT. RISER
5. NOT REQUIRED	5. NOT REQUIRED
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100. NOT REQUIRED	100. NOT REQUIRED



1. Fire Extinguisher	Required	Provided
2. Hose Reel	Required	Provided
3. Dry Riser	Not Required	Not Provided
4. WHT. RISER	Required	Provided
5. Down Comer	NOT REQUIRED	NOT PROVIDED
6. Yrd Hydrant	Not Required	Not Provided
7. Automatic Sprinkler System	Required	Provided
8. Manually Operated Extinct	Required	Provided
9. Fire Alarm System	Required	Provided
10. Automatic Detection	Required	Provided
11. and Alarm System	Required	Provided
12. Underground Static Water	Required	Provided
13. Storage Tank	Required	Provided
14. Tank	Required	Provided
15. Pump Near Underground	Required	Provided
16. Static Water Storage Tank	Required	Provided
17. (Fire Pump) with Minimum	Required	Provided
18. Pressure of 3.5 kg/cm <sup>2</sup>	Required	Provided
19. at Terrace Level	Required	Provided
20. MAIN PUMP	Required	Provided
21. Jockey Pump	Required	Provided
22. DESL PUMP	Required	Provided
23. 2280 LPM	Required	Provided
24. 180 LPM	Required	Provided
25. Terrace Pump	Required	Provided
26. With Minimum	Required	Provided
27. Pressure of 2kg/cm <sup>2</sup>	Required	Provided

**LEGEND FOR VERTICAL PIPES**  
 1. 150mm MS FIRE PIPE

**LEGEND**

SYMBOL	DESCRIPTION
P-1	TREATMENT PLANT PUMP
P-2	DOMESTIC WATER SUPPLY PUMP
P-3	JOCKEY PUMP
P-4	ELECTRIC MAIN PUMP
P-5	DIESEL PUMP
P-6	TERRACE PUMP (FOR DOWN COMER)
M-1	FIRE HOSE REEL
M-2	SINGLE LANDING VALVE
M-3	AIR RELEASE VALVE
M-4	BULWY VALVE
M-5	NON RETURN VALVE
M-6	1500 MS FIRE PIPE
M-7	TUBE WELL LINE
M-8	MUNICIPAL WATER LINE
M-9	COLD WATER SUPPLY LINE
F-1	FILTER
S-1	SOFTNER
W-1	WATER METER
OF	OVER FLOW PIPE
SPRINKLER	SPRINKLER

**ARCHITECTS:-**  
 GARG & ASSOCIATES  
 46 REGAL BUILDING CONN. PLACE  
 NEW DELHI - 110001  
 PHONE 23742808, 23742509

**JOB TITLE**  
 PROPOSED GROUP HOUSING FOR  
 AIR FORCE NAVEL HOUSING BOARD  
 AT PLOT NO. -  
 SECTOR 4 B PART  
 MEERUT

**SHEET TITLE**  
 SCHEMATIC DIAGRAM FOR  
 FIRE FIGHTING SYSTEM  
 (COMMUNITY HALL)

**deal by**  
 date  
 dng no

**ckd by**  
 scale

**FF-08**

**OWNERS SIGN**  
 46 REGAL BUILDING  
 CONN. PLACE  
 NEW DELHI - 110001

**ARCHITECT'S SIGN**  
 GARG & ASSOCIATES  
 46 REGAL BUILDING  
 CONN. PLACE  
 NEW DELHI - 110001

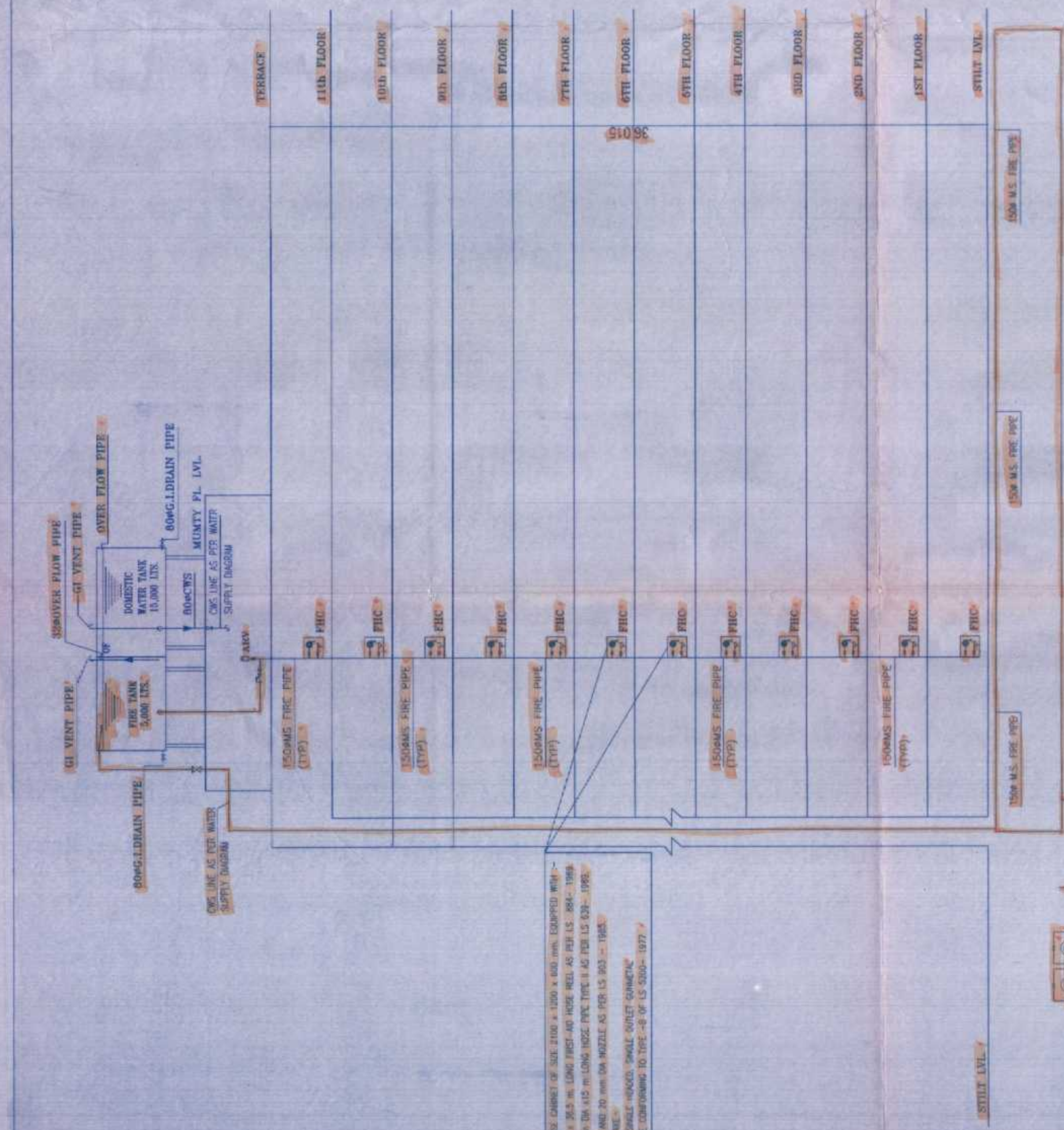
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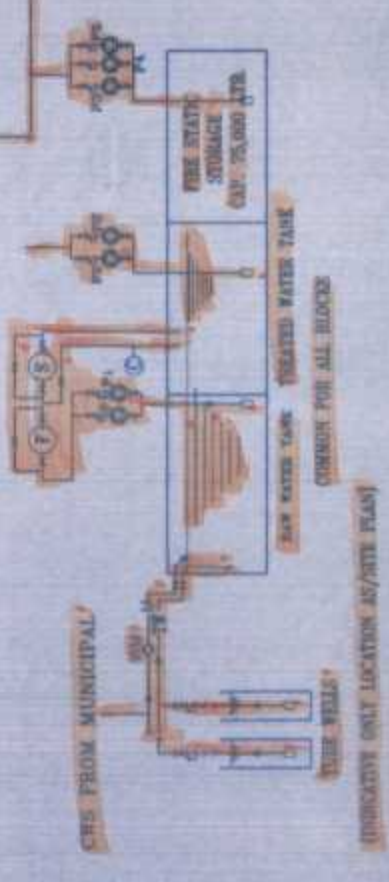
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अनुमोदित मंजूर  
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12/01/2024, 10:41 AM - 12/01/2024, 10:41 AM  
12/01/2024, 10:41 AM - 12/01/2024, 10:41 AM

BASIC REQUIREMENTS FOR FIRE FIGHTING INSTALLATIONS AS PER NBC 2009			
(1.0) FOR RESIDENTIAL APARTMENTS			
Proposed height of building = 38.015 mts			
AIR FORCE NAVEEL HOUSING BOARD AT SECTOR 4B (PART) MEERUT			
Type of installation	Requirement as per NBC	Provisions in the building	
1. Fire Extinguisher	Required	Provided	
2. Hose Reel	Required	Provided	
3. Dry Rise	Not Required	Not Provided	
4. Wet Rise	Required	Provided	
5. Down Comer	Not Required	Not Provided	
6. Yard Hydrant	Not Required	Not Provided	
7. Automatic Sprinkler System	Not Required	Not Provided	
8. Manually Operated Electric Fire Alarm System	Required	Provided	
9. Automatic Detection and Alarm System	Not Required	Not Provided	
10. Underground Static Water Storage Tank	75,000 LTR	Provided	
11. Terrace Tank	Required 5000 litres	Provided 5000 litres	
12. Pump Near Underground Static Water Storage Tank (Fire Pump) with Minimum Pressure of 3.2 kg/cm <sup>2</sup> at Terminus Level	Required	Provided	
13. MAIN PUMP, DIESEL PUMP, JOCKEY PUMP	Required 1820 LPM, 1820 LPM, 180 LPM	Provided 1820 LPM, 1820 LPM, 180 LPM	

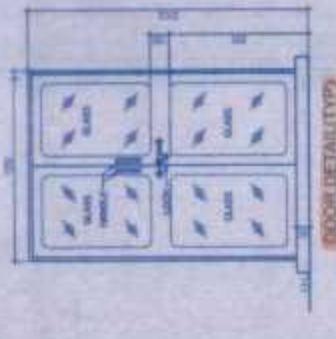
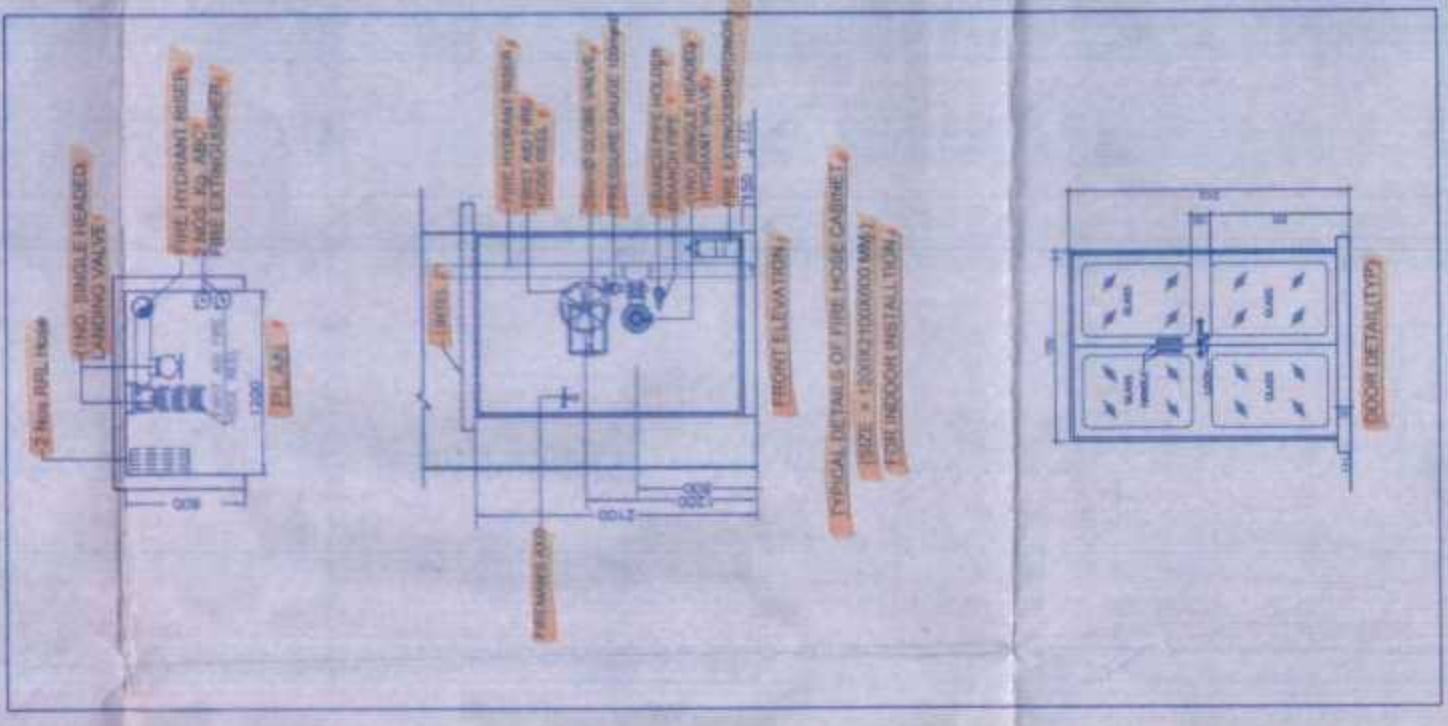


SCHEMATIC DIAGRAM



- NOTES:
- THIS IS A SCHEMATIC DIAGRAM ONLY REPRESENTING SCHEMATIC SCHEMES. MUST BE CO-ORDINATED WITH RELEVANT DRAWINGS OF FLOOR PLANS.
  - THE SUCTION TO THE PUMPS SHALL BE POSITIVE (FLOODED).
  - ALL DMS MENTIONED IN DRAWINGS ARE INTERNAL DIAMETERS OF PIPING & TO BE FOLLOWED IRRESPECTIVE OF MATERIAL TO BE USED.
  - THE SIZE OF PRV SHALL BE SAME AS OF DIA OF DOWN TAKE PIPE WHERE IT IS LOCATED IN THE DRAWING.

FIRE FIGHTING PROVISIONS PROPOSED			
AS PER NBC-2009 REQUIREMENT			
FOR RESIDENTIAL APARTMENT HEIGHT 15.40M			
NBC BUILDING IN CLAUSE NO. 9.1 APARTMENT HOUSE A1.2			
S.NO.	PROVISION	DETAILS OF PROVISIONS	
1	FIRE	FIRE HOSE CABINET PROVIDED ON EACH FLOOR INCLUDING BASEMENT NEAR STAIRCASE	
2	MANUAL ALARM	MANUAL CALL BOX AT EACH FLOOR NEAR STAIRCASE IN LOBBY AREA	
3	FAC	EACH FLOOR CONTAINS (OF SIZE 1000X1000MM)	
		(1) ONE LANDING VALVE	
		(2) HOSE REEL INCL. 35M	
		(3) FIRE HOSE INCL. 35M EACH	
		(4) FIRE EXTINGUISHER 2KG	
		(5) SAND BUCKET 1 NOS	
		(6) BRANCH PIPE 1 NOS	
4	FIRE PUMPS	(1) 1 NO. DIESEL DRIVEN PUMP 1800 LPM AND 30 M HEAD AT TERRACE LEVEL NEAR FIRE WATER OVER HEAD TANK	



LEGEND FOR VERTICAL PIPE	
150MM MS FIRE PIPE	
SYMBOL	DESCRIPTION
P-1	TREATMENT PLANT PUMP
P-2	DOMESTIC WATER SUPPLY PUMP
P-3	JOCKEY PUMP
P-4	ELECTRIC MAIN PUMP
P-5	DIESEL PUMP
P-6	TERRACE PUMP (FOR DOWN COMMER)
P-7	FIRE HOSE REEL
P-8	SHOULDER LANDING VALVE
P-9	AIR RELEASE VALVE
P-10	FULLWAY VALVE
P-11	NON RETURN VALVE
P-12	100MM MS FIRE PIPE
P-13	TUBE WELL LINE
P-14	MUNICIPAL WATER LINE
P-15	COLD WATER SUPPLY LINE
P-16	FILTER
P-17	SOFTNER
P-18	WATER METER
P-19	OVER FLOW PIPE
P-20	SPRINKLER

ARCHITECTS

GARG & ASSOCIATES

ARCHITECTS, ENGINEERS, PLANNERS

46 REGAL BUILDING CONN. PLACE

NEW DELHI - 110001

PHONE 23742808, 23742509

JOB TITLE

PROPOSED GROUP HOUSING FOR

AIR FORCE NAVEEL HOUSING BOARD

AT PLOT NO. -

SECTOR 4 B PART

MEERUT

SHEET TITLE

SCHEMATIC DIAGRAM FOR

FIRE FIGHTING SYSTEM

(Block- 7 & 8)

drawn by	date	drg.no
checked by	scale	

FF-06

OWNER'S SIGN

Signature of Owner

OWNER'S NAME

OWNER'S ADDRESS

OWNER'S PHONE NO.

OWNER'S EMAIL ID

ARCHITECT'S SIGN

Signature of Architect

ARCHITECT'S NAME

ARCHITECT'S ADDRESS

ARCHITECT'S PHONE NO.

ARCHITECT'S EMAIL ID

Garg & Associates

46, Regal Building

Connaught Place

New Delhi - 110001