

PROJECT

PROPOSED FIVE STOREY RESIDENTIAL BUILDING AT GATEWAY TO THE CITY, N.11, 24, VILLAGE OF KHSRA, SUBURBAN DISTRICT, WEST BAMBALLY

LEGEND FOR FIRE

- 1 PROP. HOSE
- 2 HOSE RISE
- 3 FIRE EXTINGUISHER
- 4 FIRE EXIT
- 5 TERRACE TANK
- 6 TERRACE ROOF
- 7 FIRE EXTINGUISHER
- 8 BUTTER FLYVALE

NOTES:
 1. ALL FIRE EXTINGUISHERS SHALL BE METAL JET TYPE AND OF THE FIRE FIGHTING TYPE.
 2. ALL FIRE EXTINGUISHERS SHALL BE AS PER IS 15708 PART 1 & 2.

AREA STATEMENT

NO.	DESCRIPTION	FLOOR	AREA
1	GROUND FLOOR	GROUND FLOOR	1200.00
2	FIRST FLOOR	FIRST FLOOR	1200.00
3	SECOND FLOOR	SECOND FLOOR	1200.00
4	THIRD FLOOR	THIRD FLOOR	1200.00
5	FOURTH FLOOR	FOURTH FLOOR	1200.00
6	ROOF	ROOF	1200.00
7	TERRACE	TERRACE	1200.00
8	TERRACE	TERRACE	1200.00
9	TERRACE	TERRACE	1200.00
10	TERRACE	TERRACE	1200.00
11	TERRACE	TERRACE	1200.00
12	TERRACE	TERRACE	1200.00
13	TERRACE	TERRACE	1200.00
14	TERRACE	TERRACE	1200.00
15	TERRACE	TERRACE	1200.00
16	TERRACE	TERRACE	1200.00
17	TERRACE	TERRACE	1200.00
18	TERRACE	TERRACE	1200.00
19	TERRACE	TERRACE	1200.00
20	TERRACE	TERRACE	1200.00

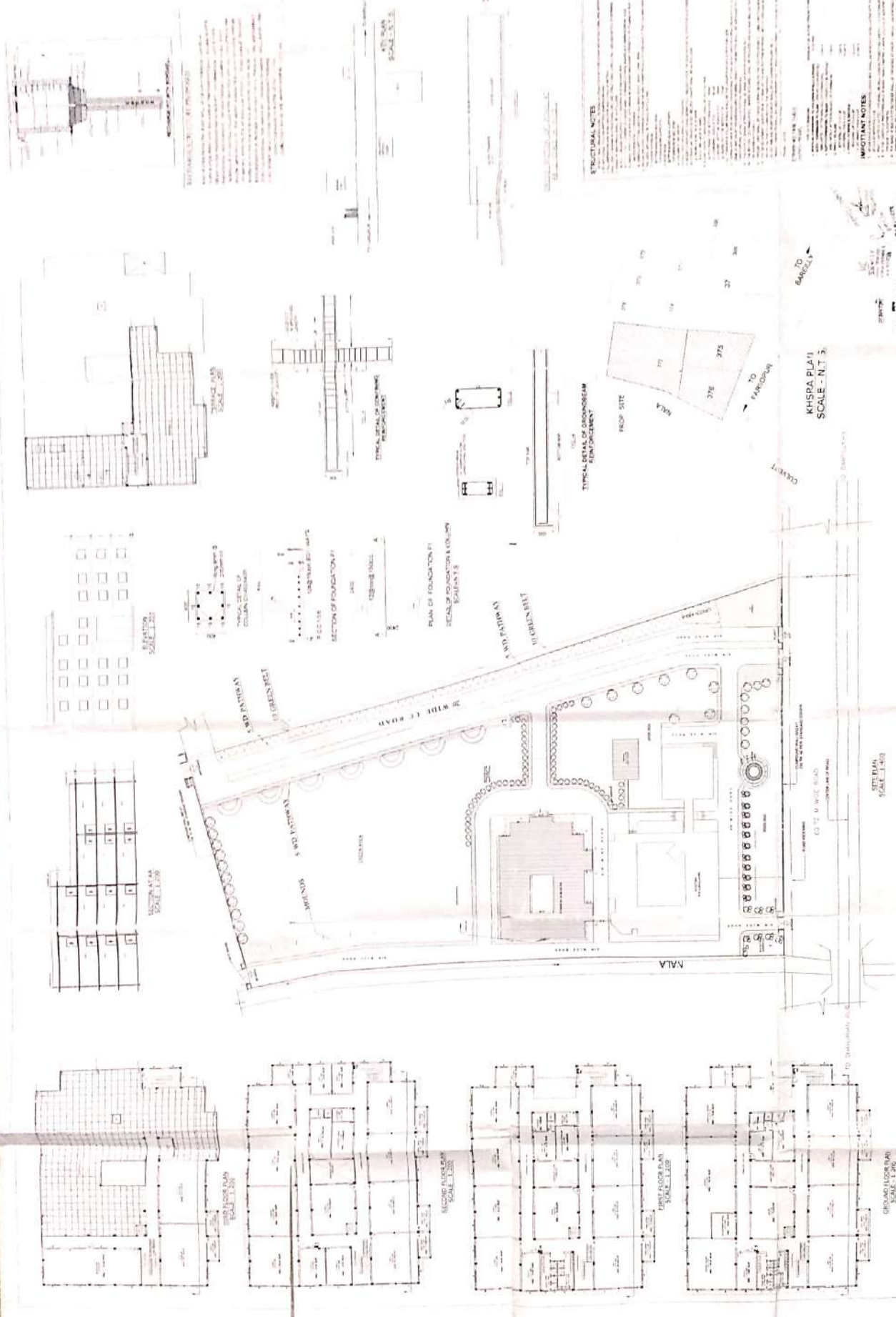
TOTAL COVERED AREA: 12000.00
 TOTAL UNCOVERED AREA: 12000.00
 TOTAL AREA: 24000.00

SCHEDULE OF WORKS

NO.	DESCRIPTION	QUANTITY	UNIT	EST. PRICE	TOTAL
1	CONCRETE	1000	CUM	1000	1000
2	STEEL	500	TON	500	500
3	BRICK	10000	SQ. M	10000	10000
4	PLASTER	10000	SQ. M	10000	10000
5	PAINT	10000	SQ. M	10000	10000
6	ROOFING	10000	SQ. M	10000	10000
7	GLAZING	10000	SQ. M	10000	10000
8	MECHANICAL	10000	SQ. M	10000	10000
9	ELECTRICAL	10000	SQ. M	10000	10000
10	INTERIOR FINISH	10000	SQ. M	10000	10000
11	EXTERNAL FINISH	10000	SQ. M	10000	10000
12	LANDSCAPING	10000	SQ. M	10000	10000
13	UTILITIES	10000	SQ. M	10000	10000
14	CONCRETE	1000	CUM	1000	1000
15	STEEL	500	TON	500	500
16	BRICK	10000	SQ. M	10000	10000
17	PLASTER	10000	SQ. M	10000	10000
18	PAINT	10000	SQ. M	10000	10000
19	ROOFING	10000	SQ. M	10000	10000
20	GLAZING	10000	SQ. M	10000	10000
21	MECHANICAL	10000	SQ. M	10000	10000
22	ELECTRICAL	10000	SQ. M	10000	10000
23	INTERIOR FINISH	10000	SQ. M	10000	10000
24	EXTERNAL FINISH	10000	SQ. M	10000	10000
25	LANDSCAPING	10000	SQ. M	10000	10000
26	UTILITIES	10000	SQ. M	10000	10000

ARCHITECT: KHSRA ARCHITECTS
 5/19, 1ST FLOOR, ANANDAPURAM, CHENNAI
 600 002, INDIA

OWNER'S SIGNATURE / STAMP



STRUCTURAL NOTES:
 1. ALL CONCRETE SHALL BE OF GRADE M20.
 2. ALL STEEL SHALL BE OF GRADE Fe 250.
 3. ALL REINFORCEMENT SHALL BE AS PER IS 1786 PART 1 & 2.
 4. ALL WALLS SHALL BE OF GRADE M10.
 5. ALL ROOFS SHALL BE OF GRADE M20.
 6. ALL FLOORS SHALL BE OF GRADE M20.
 7. ALL BEAMS SHALL BE OF GRADE M20.
 8. ALL COLUMNS SHALL BE OF GRADE M20.
 9. ALL FOUNDATIONS SHALL BE OF GRADE M20.
 10. ALL WALLS SHALL BE OF GRADE M10.
 11. ALL ROOFS SHALL BE OF GRADE M20.
 12. ALL FLOORS SHALL BE OF GRADE M20.
 13. ALL BEAMS SHALL BE OF GRADE M20.
 14. ALL COLUMNS SHALL BE OF GRADE M20.
 15. ALL FOUNDATIONS SHALL BE OF GRADE M20.

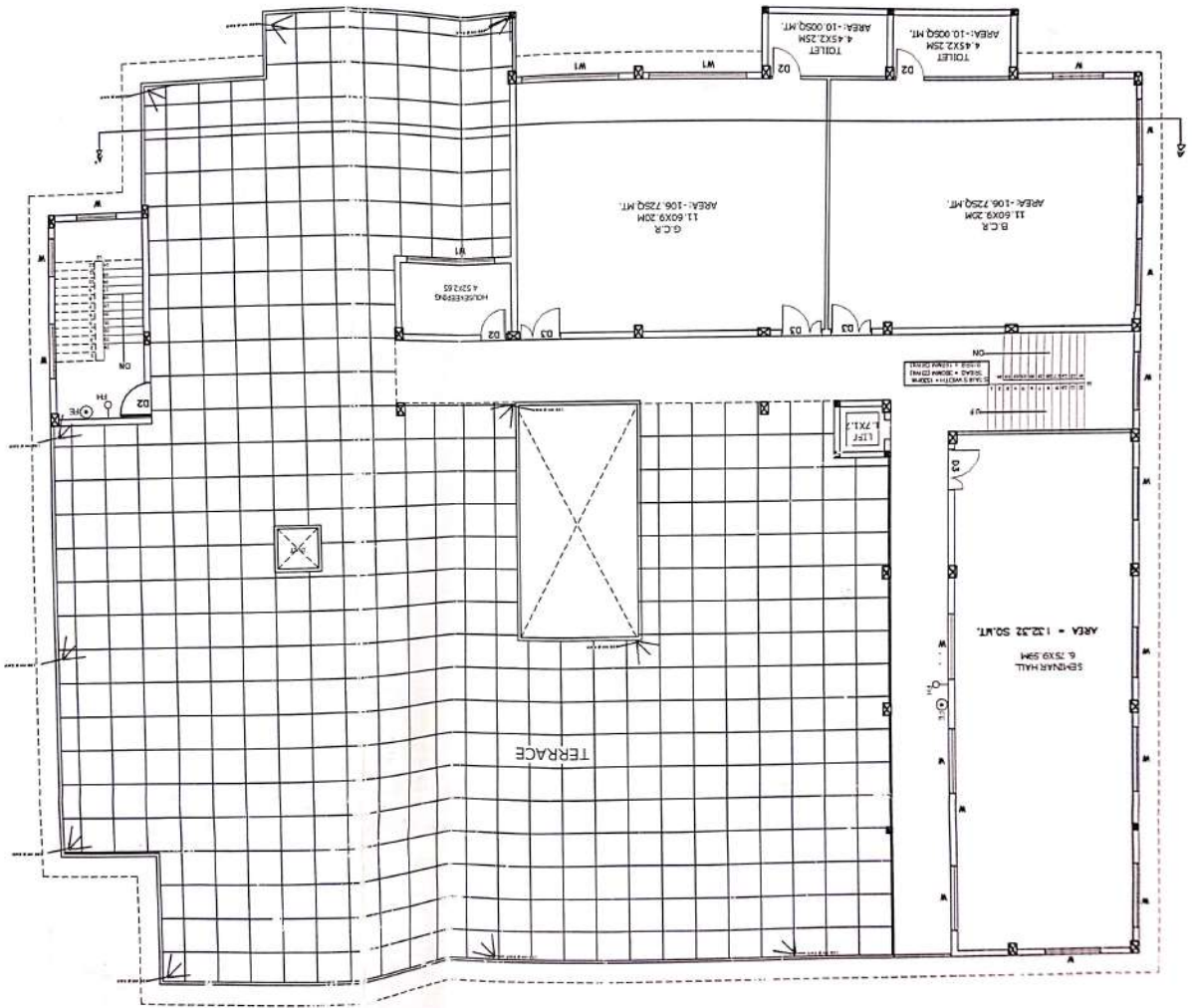
IMPORTANT NOTES:
 1. ALL WORK SHALL BE AS PER THE DRAWINGS.
 2. ALL MATERIALS SHALL BE AS PER THE SPECIFICATIONS.
 3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE IS CODES.
 4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LOCAL LAWS.
 5. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE ENVIRONMENTAL LAWS.
 6. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SAFETY LAWS.
 7. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE HEALTH LAWS.
 8. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE WELFARE LAWS.
 9. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SOCIAL LAWS.
 10. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CULTURAL LAWS.
 11. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE RELIGIOUS LAWS.
 12. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE ETHICAL LAWS.
 13. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MORAL LAWS.
 14. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LEGAL LAWS.
 15. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE JUSTICE LAWS.

KHSRA P.11/1
 SCALE - N.T.S.

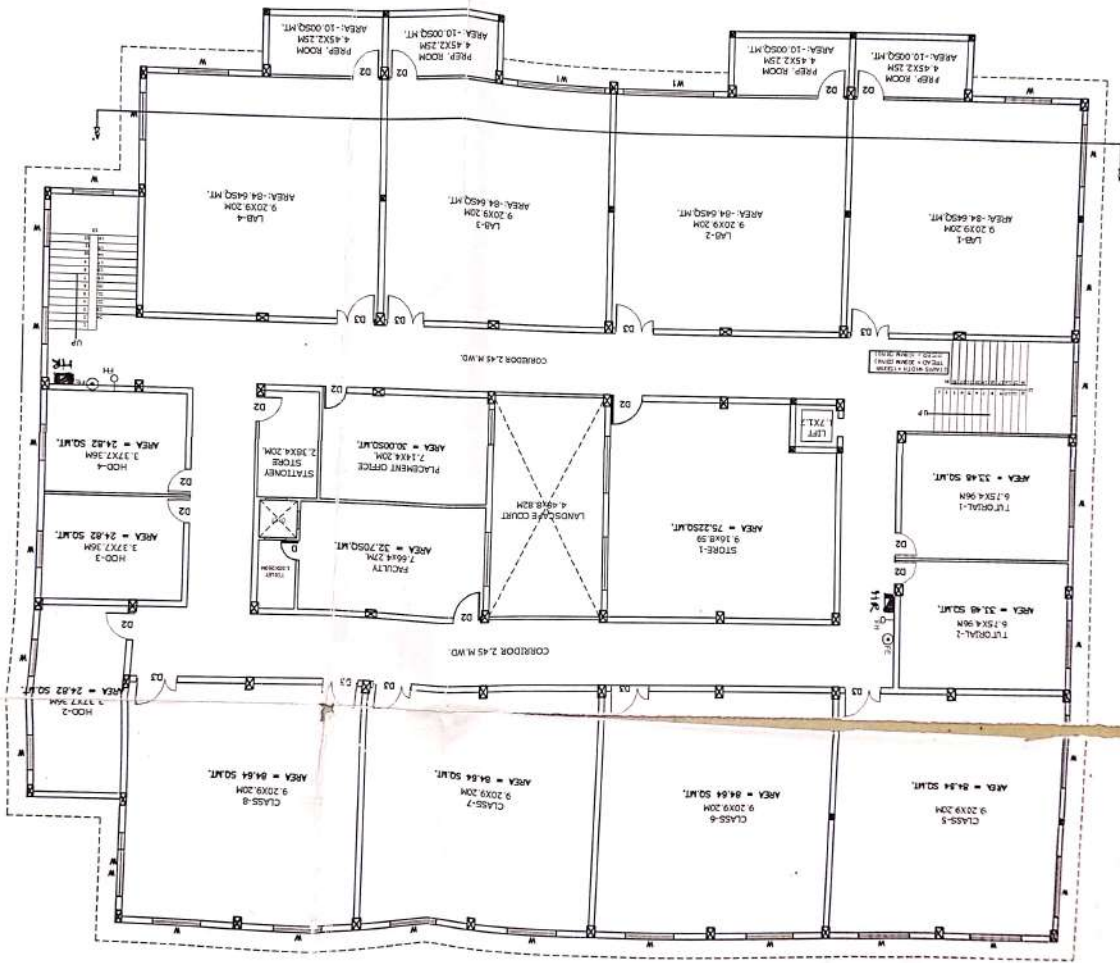
SITE PLAN
 SCALE - 1:400

GROUND FLOOR PLAN
 SCALE - 1:400

IIIIRD FLOOR PLAN
SCALE - 1:200

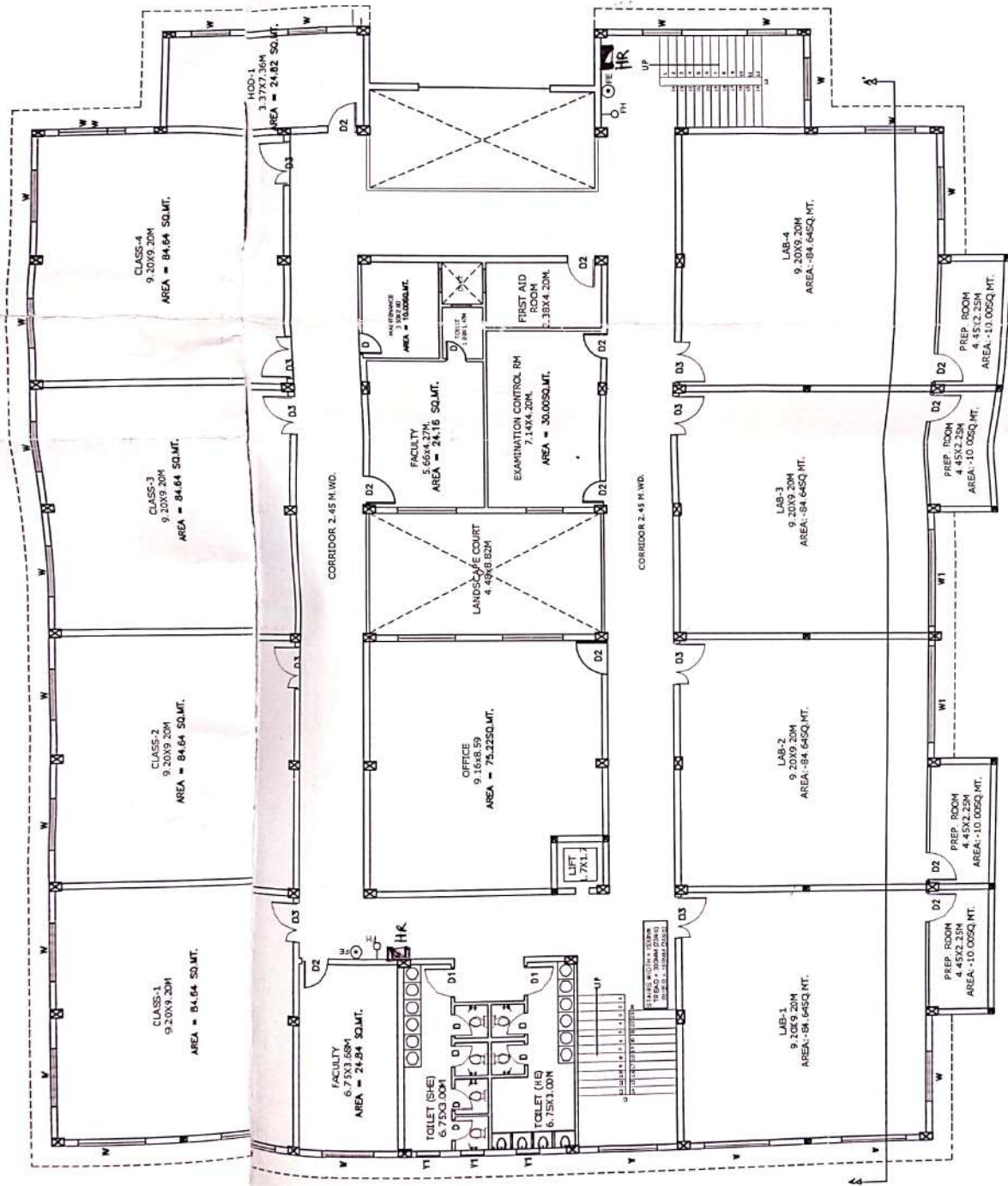


SECOND FLOOR PLAN
SCALE - 1:200

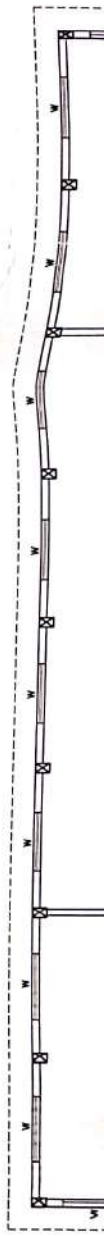


SCALE - 1:200

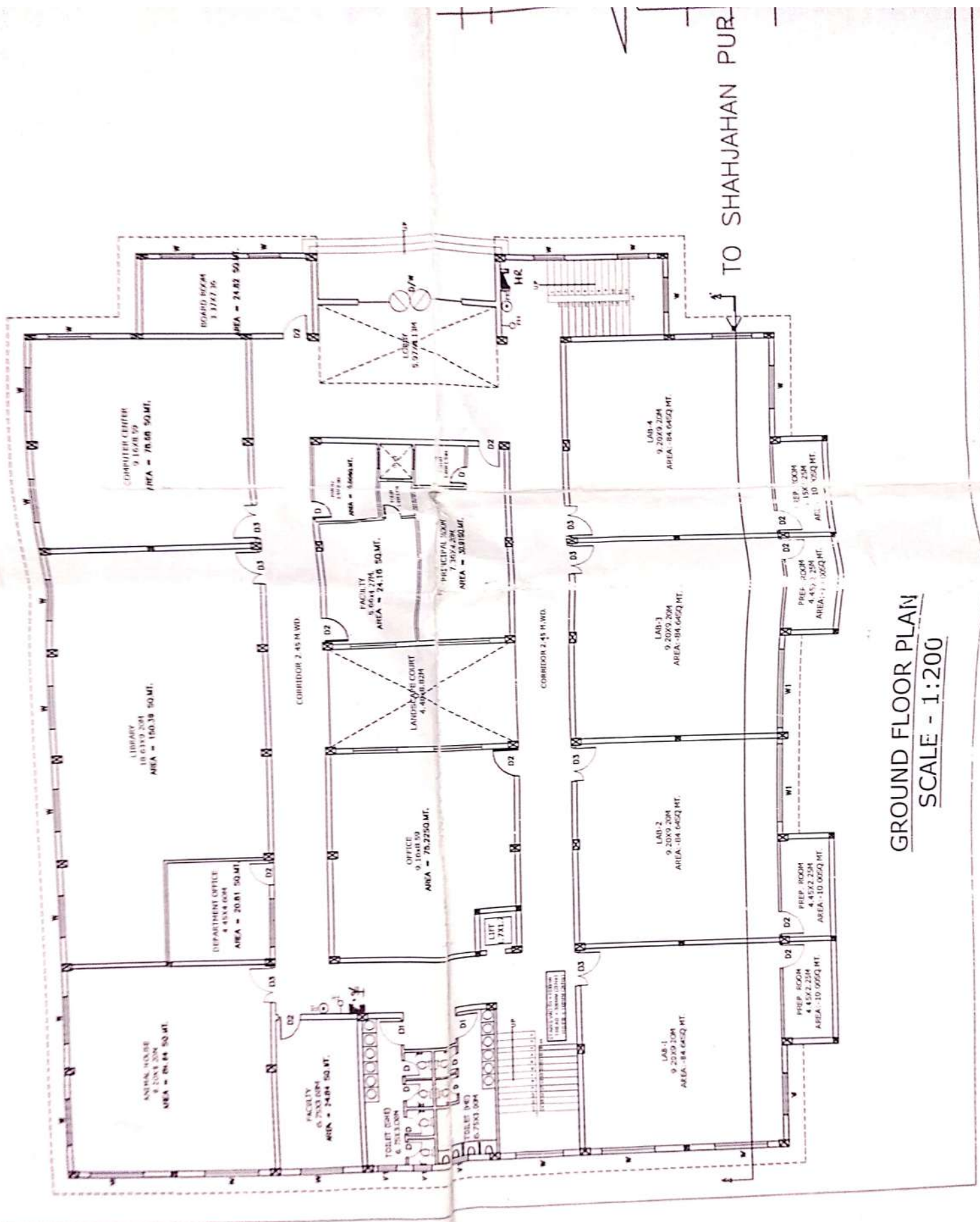
SECOND FLOOR PLAN
SCALE - 1:200



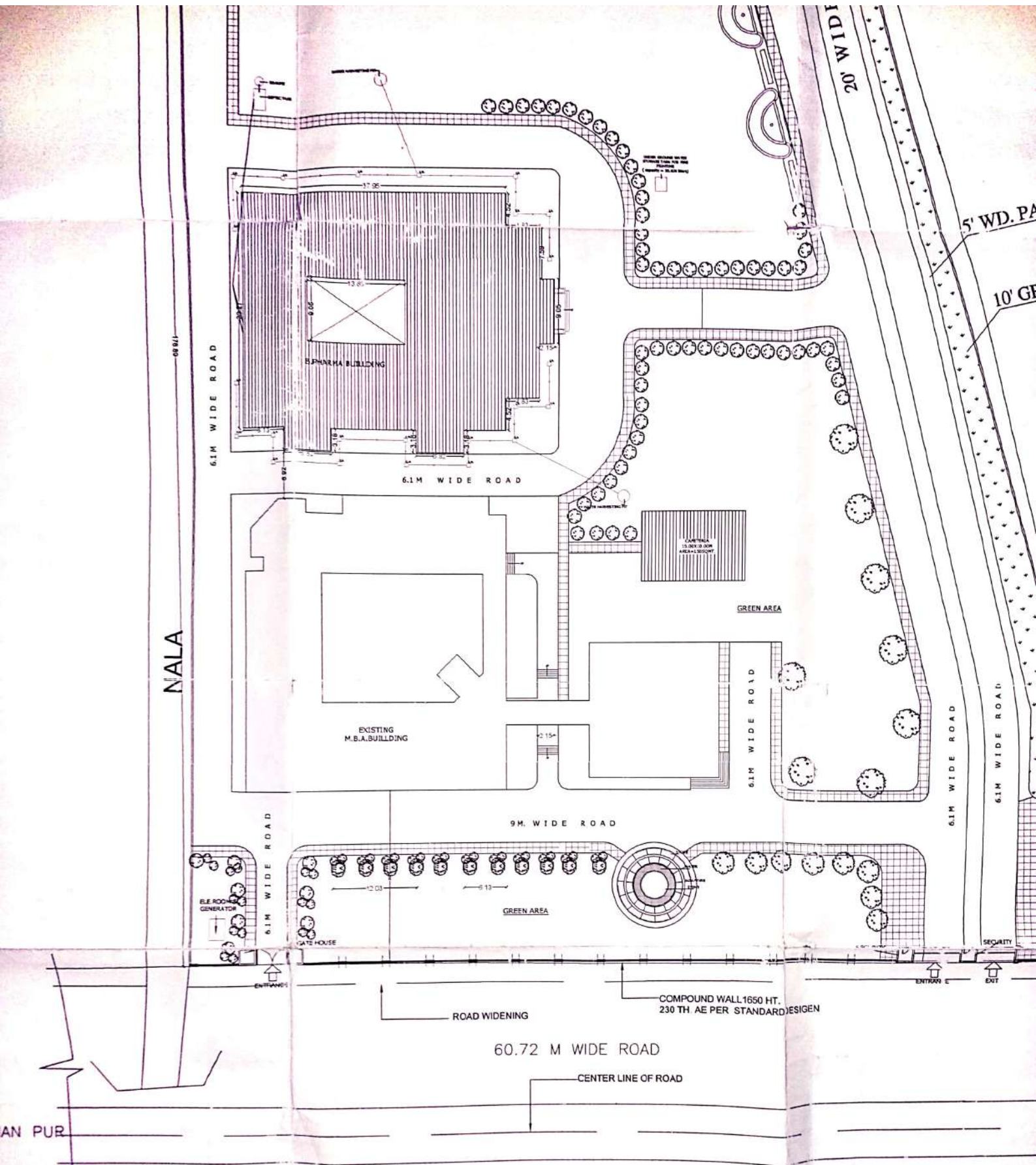
FIRST FLOOR PLAN
SCALE - 1:200



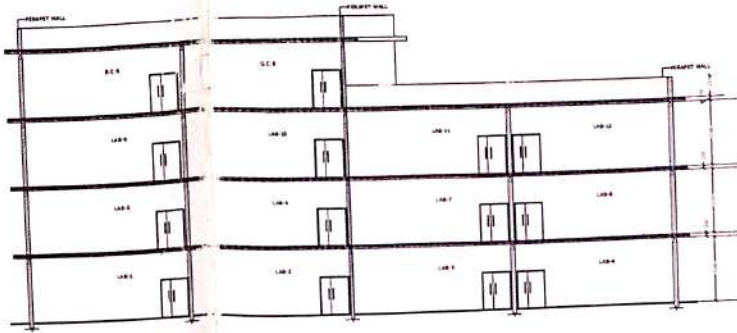
SCALE - 1:200



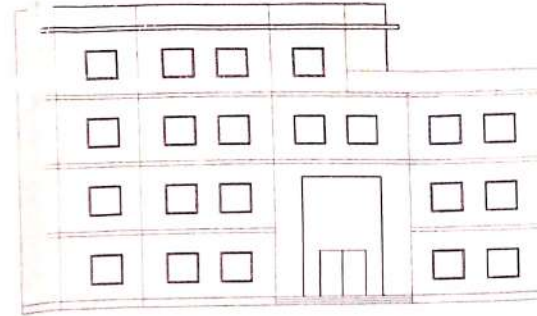
GROUND FLOOR PLAN
SCALE - 1:200



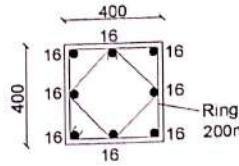
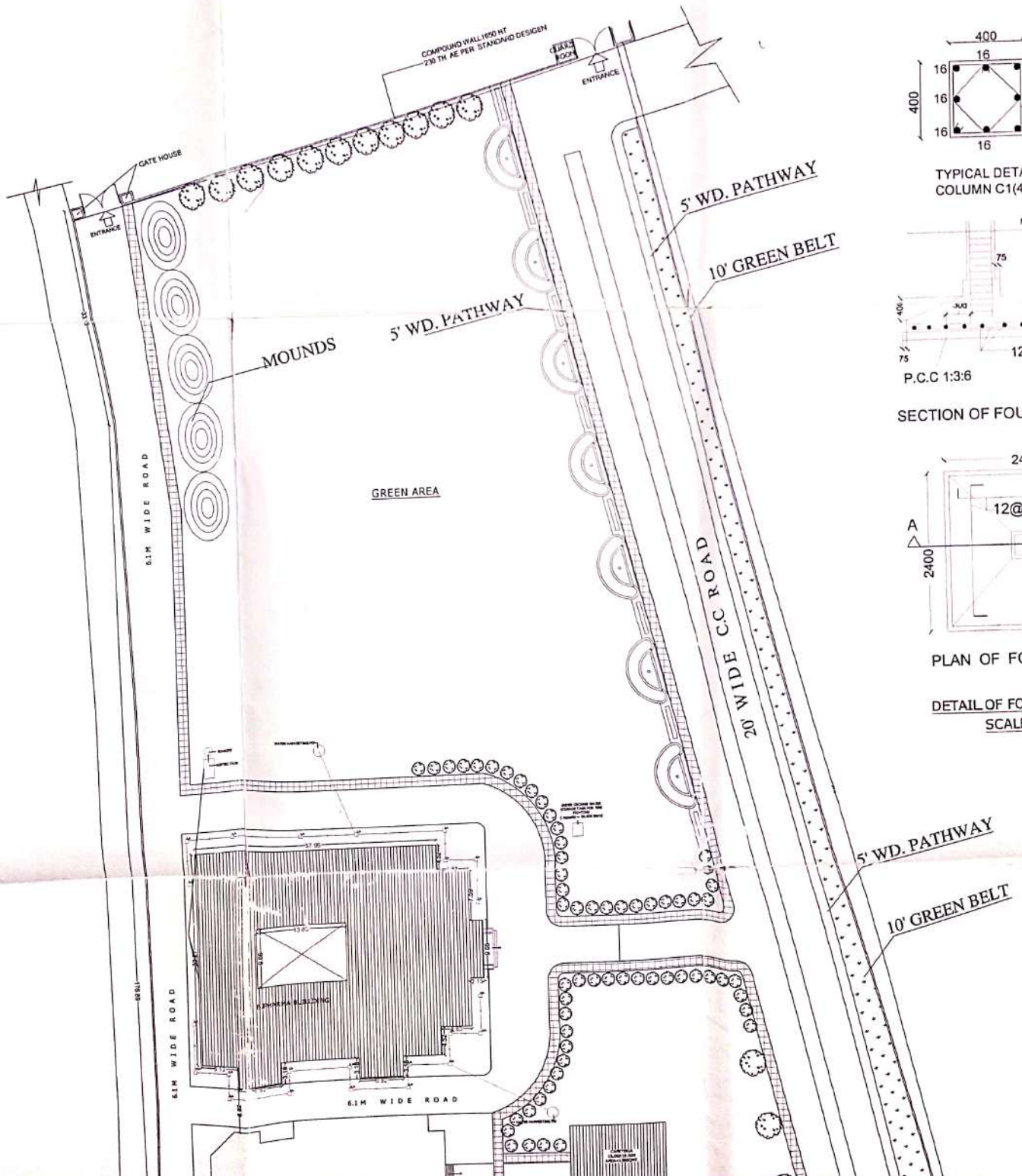
SITE PLAN
SCALE - 1:400



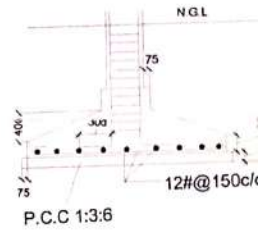
SECTION AT AA'
SCALE - 1:200



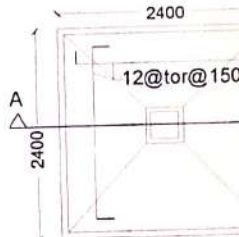
ELEVATION
SCALE - 1:200



TYPICAL DETAIL OF
COLUMN C1(400X400)



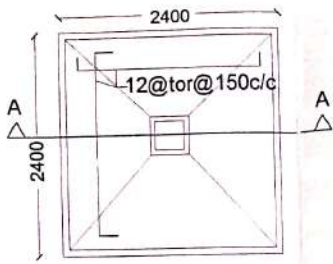
SECTION OF FOUNDATION



PLAN OF FOUNDATION

DETAIL OF FOUNDATION
SCALE=N.T.S

SECTION OF FOUNDATION F1



PLAN OF FOUNDATION F1

DETAIL OF FOUNDATION & COLUMN
SCALE=N.T.S

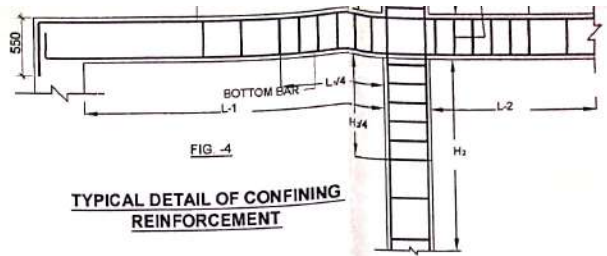


FIG -4

TYPICAL DETAIL OF CONFINING REINFORCEMENT

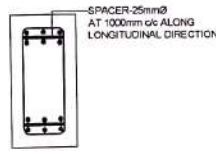


FIG -1

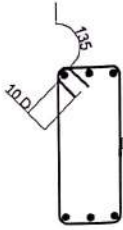


FIG -2

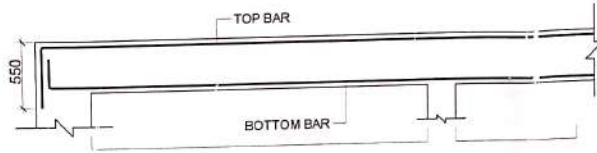
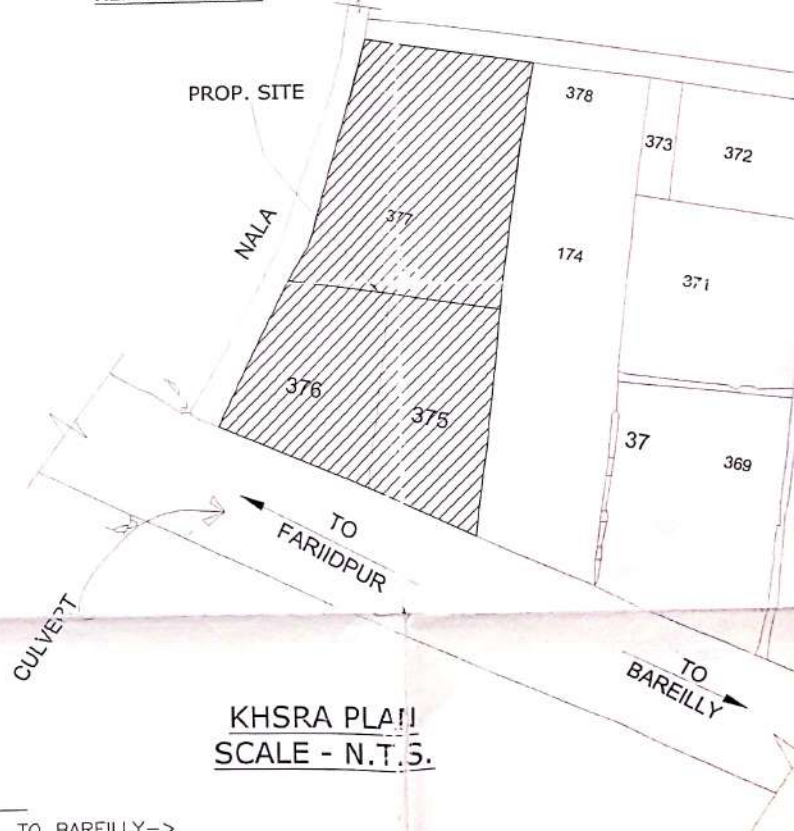
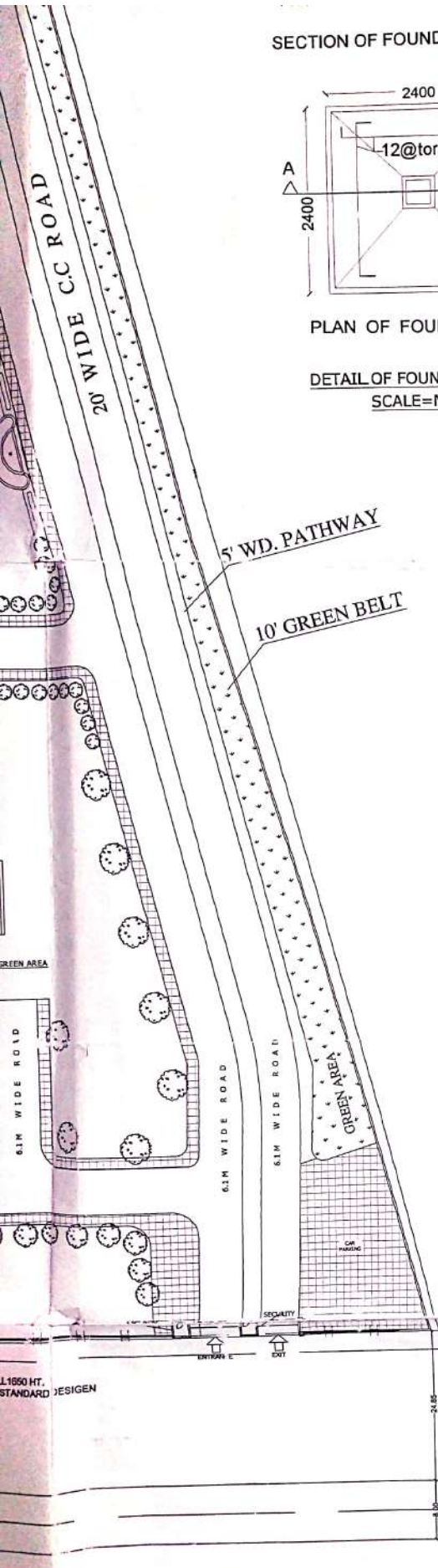


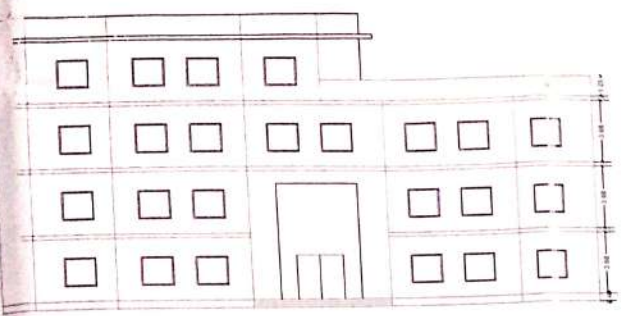
FIG -4

TYPICAL DETAIL OF GROUND BEAM REINFORCEMENT

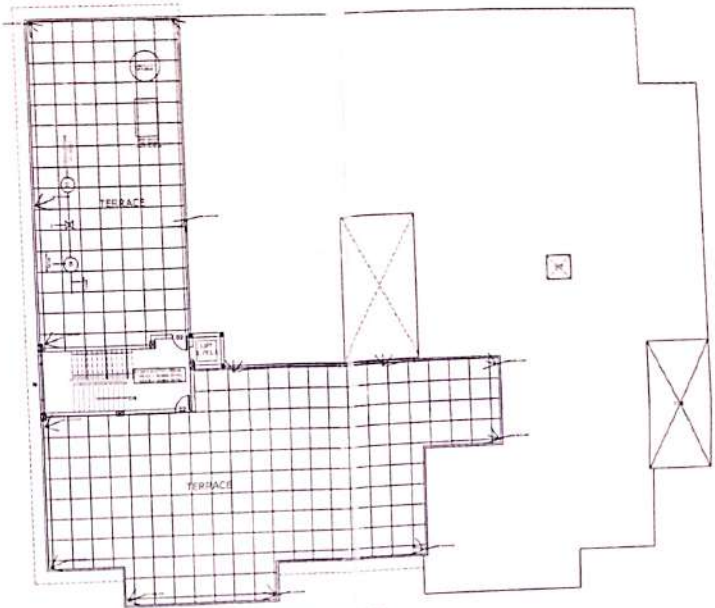


KHSRA PLAN
SCALE - N.T.S.

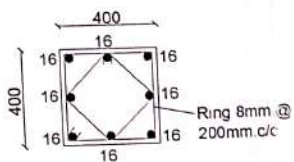
22/01/16
आम प्रकाश
राजस्व निरीक्षक
क्षेत्र फरीदपुर
सुखदेव
सहाय
मोहम्मद इकबाल
विकास चन्द्रकरावपुर



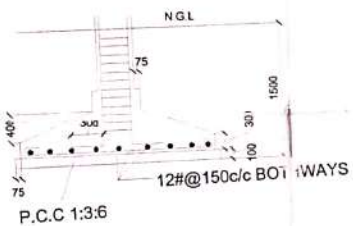
ELEVATION
SCALE - 1:200



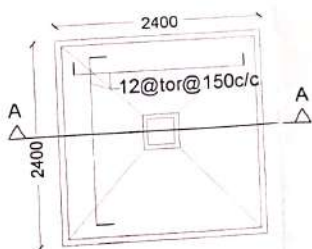
TERRACE PLAN
SCALE - 1:200



TYPICAL DETAIL OF
COLUMN C1(400X400)

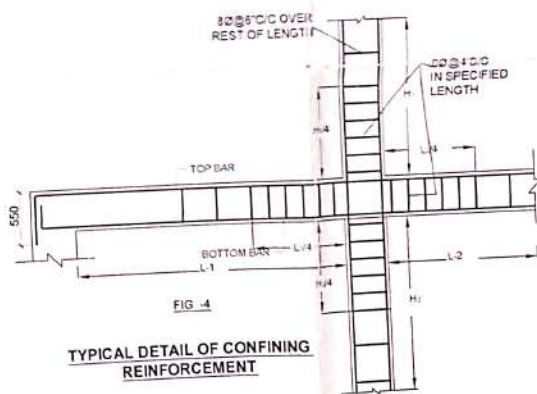


SECTION OF FOUNDATION F1



PLAN OF FOUNDATION F1

DETAIL OF FOUNDATION & COLUMN
SCALE=N.T.S



TYPICAL DETAIL OF CONFINING
REINFORCEMENT

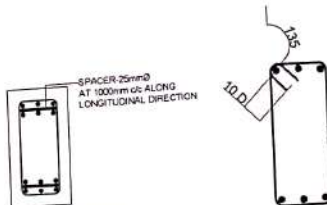


FIG -1

FIG -2

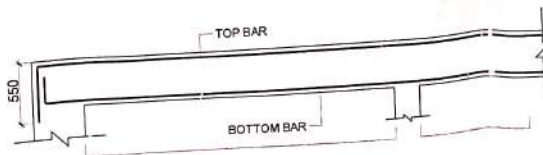
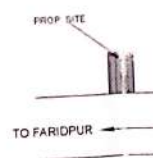
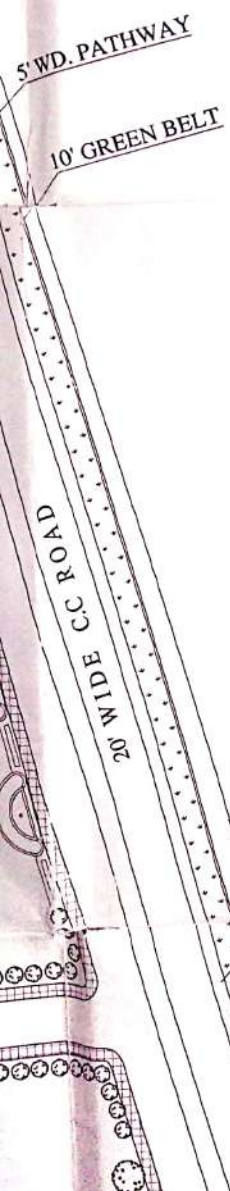
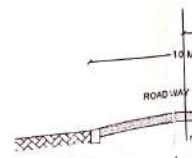


FIG -4

TYPICAL DETAIL OF GROUND BEAM
REINFORCEMENT

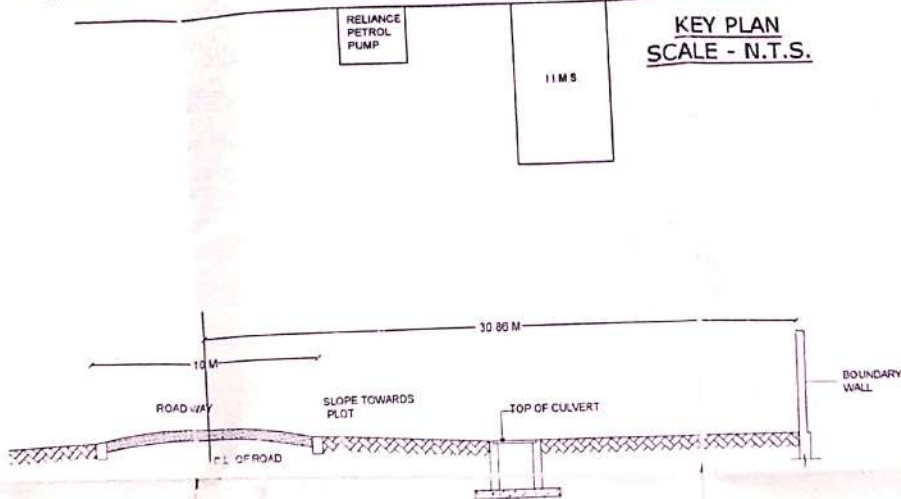


PROP. SITE
TO FARIDPUR



ROADWAY

TO FARIDPUR ← → TO BAREILLY



CROSS SECTION OF ROAD AT AA' (SCALE - N.T.S.)

AREA STATE

S.NO.	SPECIFICATION	FLOOR
	B.PHARMA BLOCK	GROUND
		FIRST FLOOR
		SECOND FLOOR
		THIRD FLOOR
		MUMTY
		CAFETERIA

TOTAL COVERED AREA = 4506.04 SQM

KHASRA NO.-(375+376+377) =

PLOT AREA = 22180.00 SQM

SCHEDULE OF DOORS

TYPE	SIZE	SILL HT.
D	1.5 M	---
D1	0.9 M	---
D2	1.0 M	---
D3	1.84 M	---
DW	3.68 M	0.15 M
W	2.7 M	0.9 M
W1	2.0 M	AS PER S
W2	2.0 M	0.9 M
W3	4.0 M	0.9 M
V	2.9 M	2.2 M
V1	2.9 M	2.2 M

STRUCTURAL NOTES:

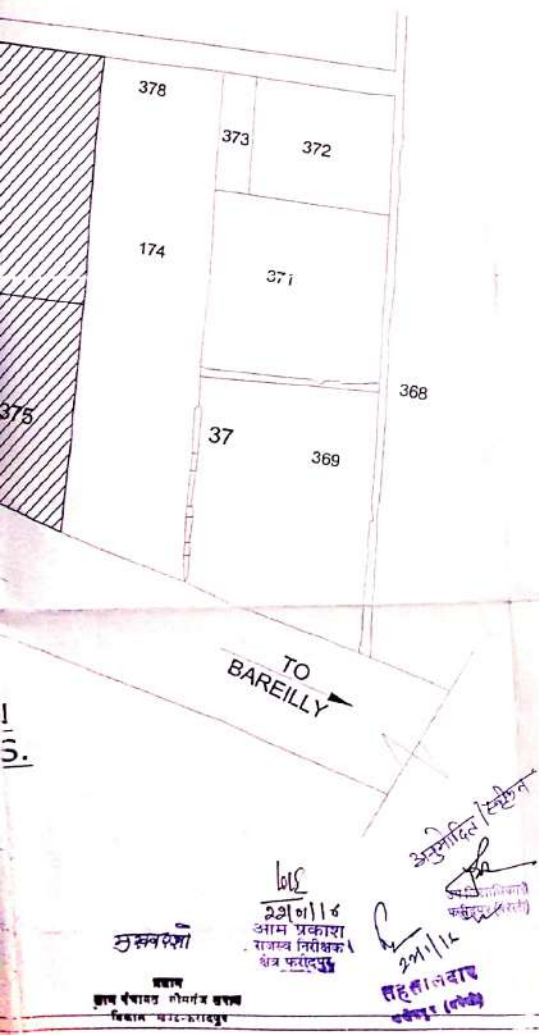
- STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICES DRAWINGS
- DO NOT SCALE. FOLLOW WRITTEN DIMENSIONS ONLY
- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS IN METRES
- ALL LEVELS SHOWN IN STRUCTURAL DRG. ARE STRUCTURAL LEVELS ONLY UNLESS NOTED OTHERWISE
- GRADE OF MATERIALS SHALL BE AS FOLLOWS
 - (a) R.C.C. UNLESS SPECIFIED TO OTHERWISE M-20 (AS/IS 496:2000)
 - (b) P.C.C. 1:3:6 (1 CEMENT 3 COARSE SAND 6 GRADED COARSE AGGREGATE 40MM NOMINAL SIZE)
 - (c) BRICK: FIRST CLASS BRICKS WITH MINIMUM GRUSHING MASONRY STRENGTH OF 75 kg/cm² OR BUILT IN 1:6 MORTAR UNLESS SPECIFIED OTHERWISE
 - (e) GRADED GRIT TO BE USED IN FOLLOWING RATIO 20mm 12mm 6mm 2:1:1
- UNLESS SPECIFIED OTHERWISE FOUNDATIONS ARE SYMMETRICALLY PLACED ABOUT THE COLUMN CENTRE LINES.
- THE OVERLAPS SHALL BE PLACED AS FOLLOWS
 - (i) FOUNDATION BEAM
 - BOTTOM BARS NEAR MID SPAN
 - TOP BARS NEAR SUPPORTS
 - (ii) ROOF BEAM
 - BOTTOM BARS NEAR SUPPORTS
 - TOP BARS NEAR MID SPAN
 - (iii) COLUMN AT MID HEIGHT
 - (iv) ALL OVERLAPS SHALL BE STAGGERED
 - (v) WELDED OVER LAPS USING 200mm FULLY WELDED OVER LAP LENGTH IS MORE EFFECTIVE & ECONOMICAL
 - (vi) IF OVER LAP LENGTH IS NOT WELDED THAN IT SHALL BE AS FOLLOWS
 - (a) BEAM & SLAB - 60 Ø OF BARS
 - (b) COLUMN - 45 Ø OF BARS
- CLEAR COVER TO MAIN REINF. SHALL BE AS FOLLOWS -
 - (a) FOOTINGS - TOP, BOTTOM & SIDES 50mm
 - (b) COLUMNS - SIDES & TOP 40mm
 - (c) BEAMS - BOTTOM, SIDES & TOP 25mm
 - (d) SLABS - BOTTOM, SIDES & TOP 15mm
- ALL STIRRUPS & COLUMN RINGS SHALL BE THE USINER HOOKS AS PER IS 476:2000
- FOUNDATION HAVE BEEN DESIGNED CONSIDERING 1ST SOIL AS NET SAFE BEARING CAPACITY AT 3.0 Mts. FROM N.G.L. IN CASE OF ANY DOUBT REGARDING SAFE BEARING CAPACITY, THE MATTER SHALL BE BROUGHT TO THE NOTICE OF CONSULTANTS BEFORE LAYING P.C.C. IN FOOTING TRENCHES
- THE HOOK OF SHEAR STIRRUPS SHALL BE MADE AS SHOWN IN FIGURE NO.2
- THE SPECIAL COATING STEEL WHERE REQUIRED SHALL BE PROVIDED ABOVE AND BELOW THE BEAM CONNECTIONS AS SHOWN IN FIGURE 3
- SPECIAL CARE SHALL BE TAKEN DURING DETAILING THE FOOTING BEAM COLUMN JUNCTION REINFORCEMENT
- THE DEVELOPMENT LENGTH (L_d) OF BARS OF TOP AND BOTTOM REINFORCEMENT OF GROUND BEAM SHALL BE EMBEDDED IN THE END COLUMN BEYOND THE INNER FACE OF COLUMN AND REINFORCEMENT SHALL BE AS SHOWN IN FIGURE NO.4
- NEEDLE VIBRATOR SHALL BE USED IN PROPER MANNER TO AVOID HONEYCOMBING OF CONCRETE, ESPECIALLY IN BEAM-DOUBLE LAYER.

STRIPPING TIME TABLE (AS PER IS 496:2000)

TYPE OF FORMWORK	MINIMUM TIME BEFORE STRIKING FORMWORK
a. VERTICAL FORMWORK TO COLUMNS WALLS & BEAMS	16-24 HRS
b. SOFFIT FORMWORK TO SLAB (PROPS TO BE REFIXED IMMEDIATELY AFTER REMOVAL OF FORMWORK)	3 DAYS
c. SOFFIT FORMWORK TO BEAM (PROPS TO BE REFIXED IMMEDIATELY AFTER REMOVAL OF FORMWORK)	7 DAYS
d. PROPS TO SLAB: <ul style="list-style-type: none"> i. SPANNING UP TO 4.5 MT ii. SPANNING OVER 4.5 MT 	7 DAYS 14 DAYS
e. PROPS TO BEAMS & ARCHES: <ul style="list-style-type: none"> i. SPANNING UP TO 6.0 MT ii. SPANNING OVER 6.0 MT 	14 DAYS 21 DAYS

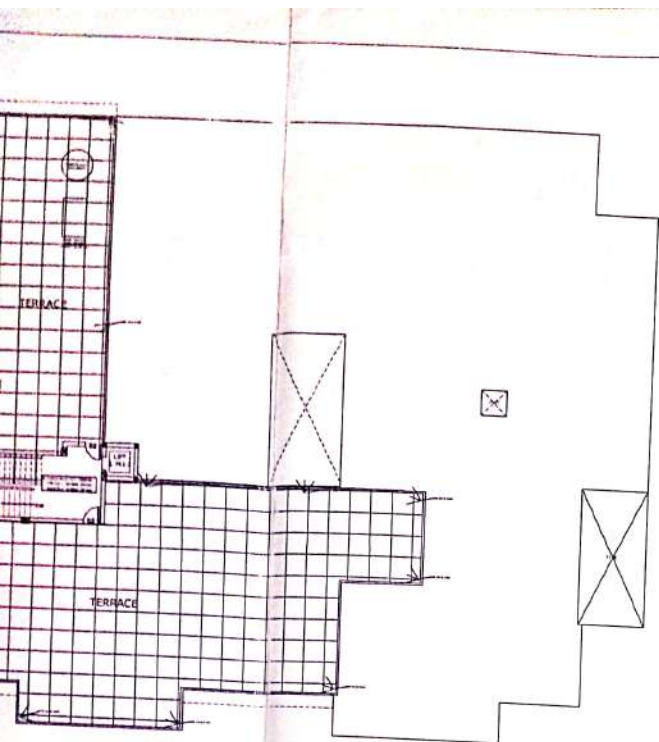
IMPORTANT NOTES:

- AFTER EXCAVATION OF FOUNDATION LOOSE SOIL SHALL BE REMOVED FROM FOOTING PITS. EXCESS EXCAVATION SHALL BE FILLED WITH PCC 1:4:8
- BASF CONCRETE AS PCC 1:4:8 SHALL BE WELL COMPACTED BEFORE CASTING OF FOOTING BEAMS.
- IF THE LENGTH OF PARTITION WALL IS MORE THAN 3.0 METRE, A BRICK COLUMN OF SIZE 9"X9" SHALL BE PROVIDED TO PROVIDE THE STIFFNESS.
- THE BOND OF SIZE 4.5"X2" WITH 2-Ø8 SHALL BE PROVIDED AT EVERY 5' HEIGHT AND FURTHER CONSTRUCTION OF PARTITION WALL SHALL BE STARTED NEXT DAY.



SAGUN ARCHITECTS
S- 19, FIRST FLOOR
e-mail - sagun_

OWNER'S SIGN



TERRACE PLAN
SCALE - 1:200

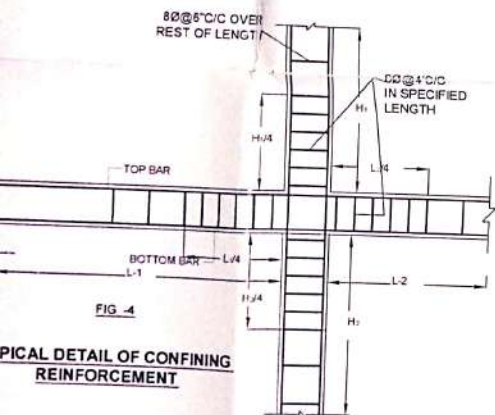


FIG - 4
TYPICAL DETAIL OF CONFINING REINFORCEMENT

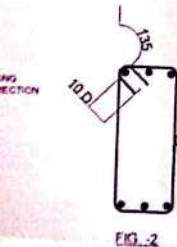


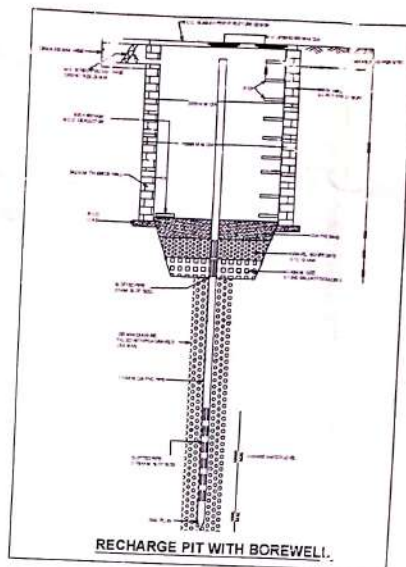
FIG - 2



REINFORCEMENT OF GROUND BEAM

PROP. SITE

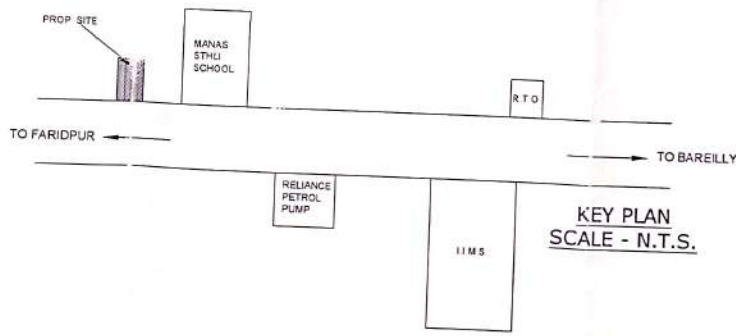
378



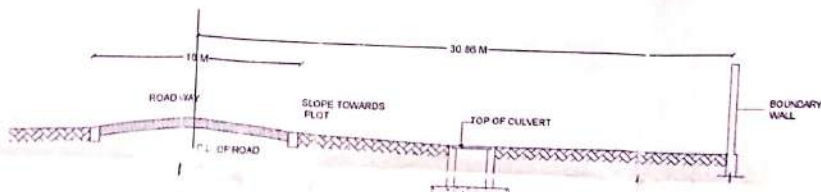
RECHARGE PIT WITH BOREWELL.

RECHARGE STRUCTURE PROPOSED

RAIN WATER FROM THE ROOF WILL BE DRAWN THROUGH VERTICAL RAIN WATER PIPES AND DISCHARGE THROUGH EXTERNAL STORM WATER DRAIN TO THE PROPOSED RECHARGE PIT / CHAMBER FOR RAIN WATER HARVESTING / RECHARGING THE RE-CHARGE CHAMBER SHALL HAVE BORING OF 300 MM DIA. FILLED WITH GRAVELS AND A DPTH UPTO 20 MM. BELOW GROUND LEVEL. THE ABOVE BORING WILL HAVE HOUSING PIPE OF 100 MM DIA WITH FILTER AT REGULAR INTERVAL TO RECHARGE THE RAIN WATER IN TO THE SUB SURFACE AQUIFERS. FILTER MEDIA AS / REQUIREMENTS IS PROVIDE TO ENABLE THE FILTERED WATER DISCHARGES INTO THE AQUIFERS. THE ABOVE RE-CHARGE CHAMBER WILL HAVE A PRE-CAST REMOVABLE COVERS FOR MAINTENANCE PURPOSE. EXPECTED RAISE IN WATER LEVELS = 2.5 CM. EXPECTED LIFE OF THE ABOVE SCHEME = 25 YEARS.



KEY PLAN
SCALE - N.T.S.



CROSS SECTION OF ROAD AT
AA' (SCALE - N.T.S.)

STRUCTURAL NOTES:

1. STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICES DRAWINGS.
2. DO NOT SCALE. FOLLOW WRITTEN DIMENSIONS ONLY.
3. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS IN METRES.
4. ALL LEVELS SHOWN IN STRUCTURAL PLS ARE STRUCTURAL LEVELS ONLY UNLESS NOTED OTHERWISE.
5. GRADE OF MATERIALS SHALL BE AS FOLLOWS:
(A) R.C.C. - M 20 (1:1.5:3) CEMENT & GRADE SAND. (B) GRADED COARSE AGGREGATE (4.75 NOMINAL SIZE)
(C) BRICK FIRST CLASS BRICKS WITH MINIMUM GRINDING MASONRY STRENGTH OF 10 N/mm².

PROJ

PRC POS
AT GATA
BAREILLY
-GAUSGA
BAREILLY

LE

1. PROP
2. HOSE
3. FIRE H
4. FIRE E
5. TERRA
6. TERRA
7. FIRE BIF
8. BUTTER

NOTES

1. PIPE INST.
2. FIRE AREA
3. ALL PER M

ARE

S.NO. SPECIFICAT

B.PHARMA
BLOCK

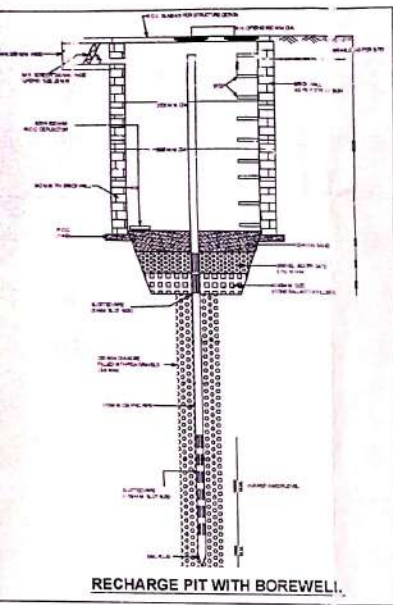
TOTAL COVERED AREA

KHASRA NO.-(375+378)

PLOT AREA = 2218

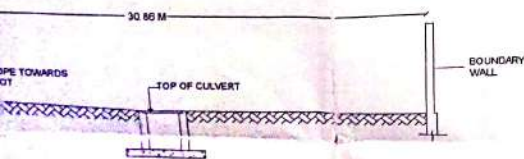
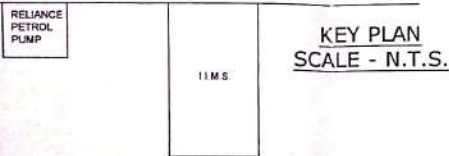
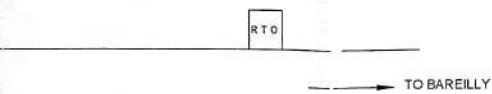
SCHEDULE

TYPE	SIZE	S
D	1.5 M	
D1	0.9 M	
D2	1.0 M	



RECHARGE STRUCTURE PROPOSED

WATER FROM THE ROOF WILL BE DRAWN THROUGH VERTICAL WATER PIPES AND DISCHARGE THROUGH EXTERNAL STORM WATER TO THE PROPOSED RECHARGE PIT / CHAMBER FOR RAIN WATER RECHARGING. THE RE-CHARGE CHAMBER SHALL HAVE A DIAMETER OF 300 MM DIA, FILLED WITH GRAVELS AND A DEPTH UPTO 20 MM. BELOW GROUND LEVEL. THE ABOVE BORING WILL HAVE HOUSING PIPE OF 300 MM DIA WITH FILTER AT REGULAR INTERVAL TO RECHARGE THE RAIN WATER INTO THE SUB SURFACE AQUIFERS. FILTER MEDIA AS / SUCH ARRANGEMENTS IS PROVIDE TO ENABLE THE FILTERED WATER DISCHARGES INTO THE AQUIFERS. THE ABOVE RE - CHARGE CHAMBER, WILL HAVE A PRE-MOVABLE COVERS FOR MAINTENANCE PURPOSE. EXPECTED RAISE IN WATER LEVELS = 2.5 CM. EXPECTED LIFE OF THE ABOVE SCHEME = 20 YEARS.







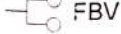



SECTION OF ROAD AT SCALE - N.T.S.)

PROJECT

PROPOSED FUTURE INSTITUTE OF PHARMACY AT GATA NO. 375, 376 & 377, 18 K.M. BAREILLY-LUCKNOW HIGHWAY NH - 24 VILLAGE GAUSGANJ SARNI, TEHSIL FARIDPUR. DISTT - BAREILLY.

LEGEND FOR FIRE

- 1. PROP WORK 
- 2. HOSE REEL 
- 3. FIRE HYDRANT 
- 4. FIRE EXT 
- 5. TERRACE TANK 
- 6. TERRACE PUMP 
- 7. FIRE BIRGADE IN LET VALVE 
- 8. BUTTER FLY VALVE 

NOTES

1. FIRE EXTINGUISHER SHOULD BE INSTALLED WITH THE RATIO OF ONE FIRE EXTINGUISHER IN 100 SQMT AREA.
2. ALL FIRE ARRANGEMENTS SHOWN AS PER N.B.C 1983 AMENMENT 2005.

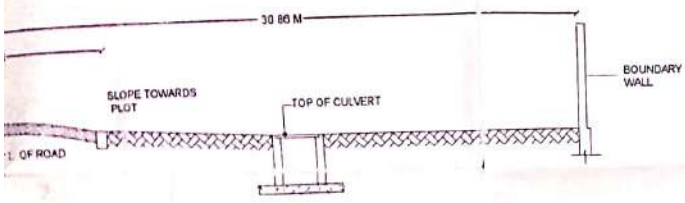
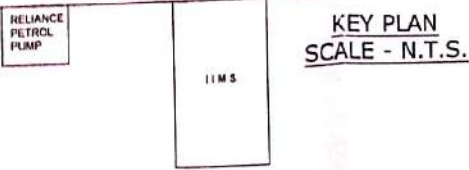
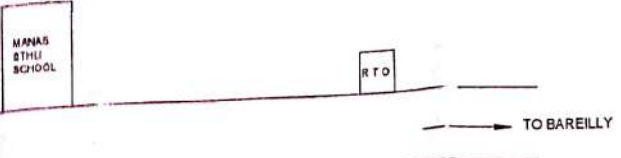
AREA STATEMENT

S.NO.	SPECIFICATION	FLOOR	AREA
	B.PHARMA BLOCK	GROUND FLOOR	1256.71SQ.M
		FIRST FLOOR	1256.71SQ.M
		SECOND FLOOR	1256.71SQ.M
		THIRD FLOOR	540.71SQ.M
		MUMTY	45.20 SQ.M
		CAFETERIA	150.00SQ.M

TOTAL COVRED AREA = 4506.04SQ.M.

KHASRA NO.-(375+376+377) = 2.2180 HECTARES

PLOT AREA = 22180.00SQM . 2.2180 HECTARES



CROSS SECTION OF ROAD AT AA' (SCALE - N.T.S.)

1. FIRE EXTINGUISHER SHOULD BE INSTALLED WITH THE RATIO OF ONE FIRE EXTINGUISHER IN 100 SQMT AREA.
2. ALL FIRE ARRANGEMENTS SHOWN AS PER N.B.C 1983 AMENMENT 2005.

AREA STATEMENT

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TOTAL COVRED AREA = 4506.04SQ.M.

KHASRA NO.-(375+376+377) = 2.2180 HECTARES

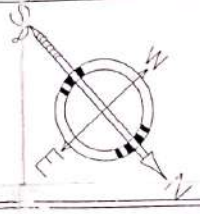
PLOT AREA = 22180.00SQM . 2.2180 HECTARES

SCHEDULE OF DOOR / WINDOW

TYPE	SIZE	SILL HT.	LINTEL HT
D	1.5 M	—	2.1 M
D1	0.9 M	—	2.1 M
D2	1.0 M	—	2.1 M
D3	1.84 M	—	2.1 M
DW	3.68 M	0.15 M	2.1 M
W	2.7 M	0.9 M	2.1 M
W1	2.0 M	AS PER SITE	AS PER SITE
W2	2.0 M	0.9 M	2.1 M
W3	4.0 M	0.9 M	2.1 M
V	2.9 M	2.2 M	2.7 M
V1	2.9 M	2.2 M	2.7 M

STRUCTURAL NOTES:

1. STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL AND SERVICES DRAWINGS
2. DO NOT SCALE. FOLLOW WRITTEN DIMENSIONS ONLY
3. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS IN METRES
4. ALL LEVELS SHOWN IN STRUCTURAL DRG ARE STRUCTURAL LEVELS ONLY UNLESS NOTED OTHERWISE
5. GRADE OF MATERIALS SHALL BE AS FOLLOWS
 - (A) R.C.C. UNLESS SPECIFIED TO OTHERWISE M-20 ASIS-456 2000
 - (B) P.C.C. 1:3:6 (1 CEMENT 3 COARSE SAND 6 GRADED COARSE AGGREGATE 40MM NOMINAL SIZE)
 - (C) BRICK: FIRST CLASS BRICKS WITH MINIMUM GRUISHING MASONARY STRENGTH OF 75 kg/sq cm BUILT IN 1:6 MORTAR UNLESS SPECIFIED OTHERWISE
 - (E) GRADED GRT TO BE USED IN FOLLOWING RATIO 20mm 12mm 6mm 2:1:1
6. UNLESS SPECIFIED OTHERWISE FOUNDATIONS ARE SYMMETRICALLY PLACED ABOUT THE COLUMN CENTRE LINES
7. THE OVER LAPS SHALL BE PLACED AS FOLLOWS
 - (i) FOUNDATION BEAM
 - BOTTOM BARS NEAR MID SPAN
 - TOP BARS NEAR SUPPORTS
 - (ii) ROOF BEAM
 - BOTTOM BARS NEAR SUPPORTS
 - TOP BARS NEAR MID SPAN
 - (iii) COLUMN AT MID HEIGHT
 - ALL OVER LAPS SHALL BE STAGGERED
 - USE SKEWED OVER LAPS USING 200mm FULLY WELDED OVER LAP LENGTH IS MORE EFFECTIVE & ECONOMICAL
 - IF OVER LAP LENGTH IS NOT WELDED, THEN IT SHALL BE AS FOLLOWS
 - (a) BEAM & SLAB: 60 Ø OF BARS
 - (b) COLUMN: 45 Ø OF BARS
10. CLEAR COVER TO MAIN REINF. SHALL BE AS FOLLOWS -
 - (a) FOOTINGS: TOP, BOTTOM & SIDES 50mm
 - (b) COLUMNS: SIDES & TOP 40 mm
 - (c) BEAMS: BOTTOM, SIDES & TOP 25mm
 - (d) SLABS: BOTTOM, SIDES & TOP 15 mm
11. ALL STIRRUPS & COLUMN RINGS SHALL BE THE USINER HOOKS AS PER IS 456:2000
12. FOUNDATION HAVE BEEN DESIGNED CONSIDERING 1ST QM AS NET SAFE BEARING CAPACITY AT 3.0 Mts. FROM N.G.L. IN CASE OF ANY DOUBT REGARDING SAFE BEARING CAPACITY, THE MATTER SHALL BE BROUGHT TO THE NOTICE OF CONSULTANTS BEFORE LAYING P.C.C. IN FOOTING TRENCHES
13. THE HOOK OF SHEAR STIRRUPS SHALL BE MADE AS SHOWN IN FIGURE NO 2
14. THE SPECIAL CONTINUING STEEL, WHERE REQUIRED, SHALL BE PROVIDED ABOVE AND BELOW THE BEAM CONNECTIONS AS SHOWN IN FIGURE 3
15. SPECIAL CARE SHALL BE TAKEN DURING DETAILING THE FOOTING BEAM- COLUMN JUNCTION REINFORCEMENT
16. THE DEVELOPMENT LENGTH (Ø D OF BAR) OF TOP AND BOTTOM REINFORCEMENT OF GROUND BEAM SHALL BE EMBEDDED IN THE END COLUMN BEYOND THE INNER FACE OF COLUMN AND REINFORCEMENT SHALL BE AS SHOWN IN FIGURE NO 4
17. NEEDLE VIBRATOR SHALL BE USED IN PROPER WAY TO AVOID HONEYCOMBING OF CONCRETE, SPECIALLY IN BEAM- COLUMN JOINTS AND DEEPER THAN 1.0 MTS. IN SLABS. DOUBLE LAYER



STRIPPING TIME TABLE

(AS PER IS 456:2000)

TYPE OF FORMWORK	MINIMUM TIME BEFORE STRIKING FORMWORK
1. VERTICAL FORMWORK TO COLUMNS WALLS & BEAMS	16-24 HRS
2. SOFFIT FORMWORK TO SLAB (PROPS TO BE REFIXED IMMEDIATELY AFTER REMOVAL OF FORMWORK)	3 DAYS
3. SOFFIT FORMWORK TO BEAM (PROPS TO BE REFIXED IMMEDIATELY AFTER REMOVAL OF FORMWORK)	7 DAYS
4. PROPS TO SLAB: <ul style="list-style-type: none"> a. SPANNING UP TO 4.5 MT b. SPANNING OVER 4.5 MT 	7 DAYS 14 DAYS
5. PROPS TO BEAMS & ARCHES: <ul style="list-style-type: none"> a. SPANNING UP TO 6.0 MT b. SPANNING OVER 6.0 MT 	14 DAYS 21 DAYS

IMPOTTANT NOTES:

1. AFTER EXCAVATION OF FOUNDATION LOOSE SOIL SHALL BE REMOVED FROM FOOTING PITS. EXCESS EXCAVATION SHALL BE FILLED WITH P.C.C. 1:4:8
2. BACK FILLING TO BE AS P.C.C. 1:4:8 SHALL BE WELL COMPACTED BEFORE CASTING OF FOOTING BEAMS
3. IF THE LENGTH OF PARTITION WALL IS MORE THAN 3.0 METRE, A BRICK COLUMN OF SIZE 9"X9" SHALL BE PROVIDED TO PROVIDE THE STIFFNESS
4. THE BENCH OF SIZE 4"X2" WITH Ø 8@ SHALL BE PROVIDED AT EVERY 5' HEIGHT AND FURTHER CONSTRUCTION OF PARTITION WALL SHALL BE STARTED NEXT DAY

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OWNERS SIGNATURE / STAMP

FIP