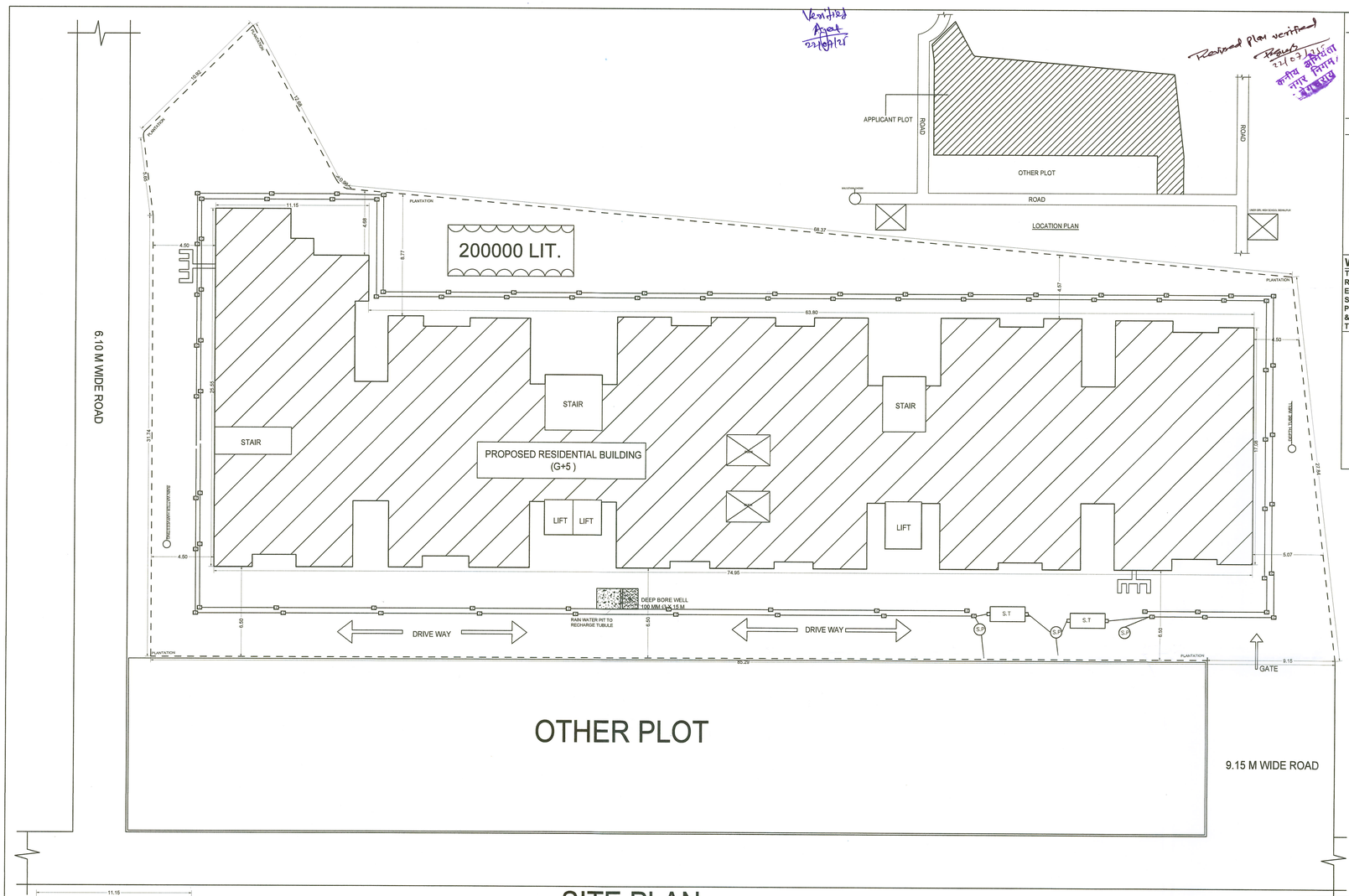
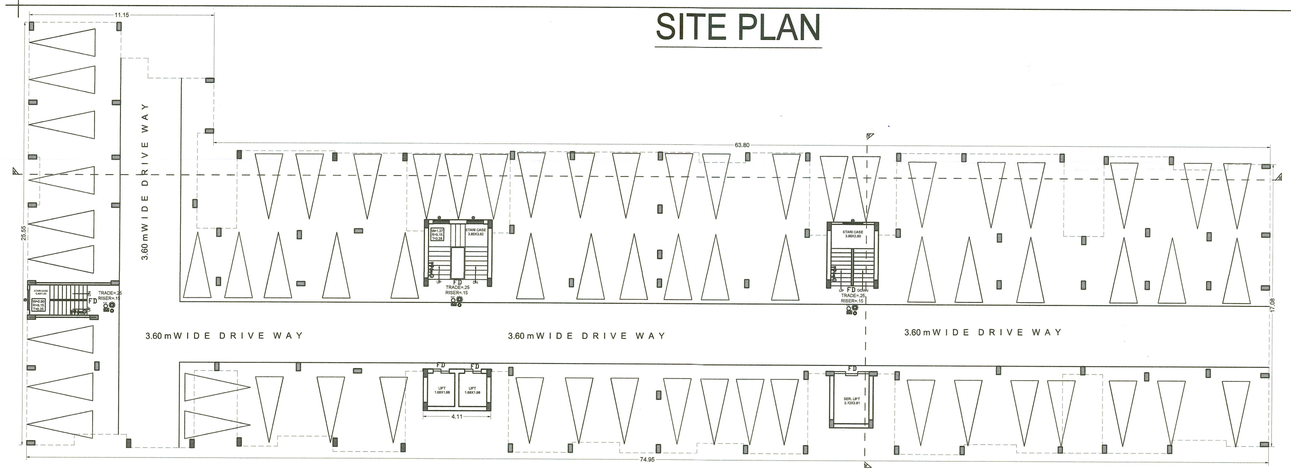
BMC/137/2024-25



SITE PLAN



GROUND FLOOR PLAN

SEPTIC TANK CALCULATION:

TOTAL NO OF FLAT = 65 NOS
EACH FLAT HAVING 5 PERSON
SO TOTAL NO OF PERSON = 65X5 = 325 PERSON
PER PERSON NEED 0.085 CUM . CAPACITY
SEPTIC TANK PER DAY SO TOTAL REQ CAPACITY OF
SEPTIC TANK = 325X0.085 = 27.62 CUM

PROVIDED SEPTIC TANK = 1 NOS
SIZE = 5.0X2.80X2.0 = 28.00 CUM

WATER TANK CALCULATION:

TOTAL NO OF FLAT = 65 NOS
EACH FLAT HAVING 5 PERSON
SO TOTAL NO OF PERSON = 65X5 = 325 PERSON
PER PERSON NEED = 325X135 = 43875.00 SQM
& FOR FIRE FIGHTING TAKE 25000 LTR
SO TOTAL WATER TANK REQUIRED =43875+25000 = 68875.00 LTRS

PROVIDED WATER TANK 3 NOS SIZE
(01) = (5.05X1.83X140)+0.22 = 12940.00 LTRS
(02) = (8.86X3.62X140)+0.22 = 44900.00 LTRS
(03) = (2.60X3.58X140)+0.22 = 13000.00 LTRS

TOTAL WATER TANK CAPACITY = 70840.00 SQM

WATER HARVESTING SUMP CALCULATION

TERRACE FLOOR AREA = 1363.17 SQM
RAIN WATER HARVESTING SUMP REQ 6 CUM FOR
EVERY 100 SQM TERRACE AREA ,
SO TOTAL REQ CAPACITY SUMP = 1363X6 = 8178 CUM
PROVIDED TANK SIZE = 6.11X3.00X3.00 = 55.00 CUM
& TRENCH VOLUME = (0.60m DEEP & 45m WIDE) = 27.00 CUM
TOTAL VOLUME OF SUMP = 55.00+27.00 = 82.00 CUM

GREEN AREA CALCULATION:-

TOTAL NET PLOT AREA += 2711.90 SQM
GREEN AREA REQUIRED @ 10% OF
TOTAL PLOT AREA = 271.19 SQM
PROVIDED GREEN SPACE AREA
AT FINISH GROUND LVL.=183.95 SQM
& TERRACE FLOOR LVL. = 101.80 SQM

TOTAL GREEN SPACE AREA = 285.75 SQM
(PROVIDED)

FIRE LEGEND

H	1. HYDRAND OUT LET VALVE WET.
	2. HOSE REEL.
50,000	3. UNDER GROUND STATIC TANK WITH 50,000 LTR CAPACITY.
25,000	4. OVER HEAD WATER TANK WITH 25000 LTR. CAPACITY.
	5. SEAMESE CONNECTION.
E.T.	6. ELECTRICALLY INSULATED METAL STRIP OF 2.5 X 3.5 MM.
	7. EXTINGUISHER.
A.K.	8. AUTOMATIC INDICATER.
A.D.	9. AREA COVERED BY SMOKE DETECTER.
	10. FIRE ALARM CALL POINT.
	11. AUDIBLE WARNING DEVICE.
	12. LOUD SPEAKER OUT LET.
M	13. MICROPHONE POSITION.
F.D.	14. FIRE RESISTANCE DOOR.
S	15.AREA COVERED BY SPRINKLERS

AREA CALCULATION:

TOTAL PLOT AREA (AS PER DEED) 2712.37 SQM
TOTAL PLOT AREA (AS PER SITE) 2711.90 SQM

GROUND FLOOR B/UP AREA = 48.92 SQM
FIRST FLOOR B/UP AREA = 1291.70 SQM
SECOND FLOOR B/UP AREA = 1291.70 SQM
THIRD FLOOR B/UP AREA = 1291.70 SQM
FOURTH FLOOR B/UP AREA = 1291.70 SQM
FIFTH FLOOR B/UP AREA = 1291.70 SQM
TOTAL BUILT UP AREA = 6507.42 SQM

FAR = 6507.42 SQM / 2711.90 SQM = 2.39

PARKING CALCULATION:

TOTAL B/UP AREA ALL FLOOR = 6507.42 SQM
PARKING AREA REQUIRED @25% OF B/U AREA
SO TOTAL PARKING AREA REQUIRED = 6507.42 X 25% =1626.85 SQM
PROVIDED GROUND FLOOR PARKING AREA = 1535.46 SQM &
OPEN PARKING AREA = 93.65 SQM
TOTAL PARKING AREA = 1629.11 SQM

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(03) KUMARI RANJANA
W/O- MANISH KUMAR.
(04) ANKITA SINGH
W/O - SIDHART KAYAM
(05) SRI RAMCHANDRA SINGH
S/O - LATE BABU BHAGWAT SINGH

PLOT DETAIL --
MOUZA- MIRZAPUR BANDWAR,
SITUATED AT CHANKYA NAGAR ROAD
P.S - BEGUSARAI KOTWALI
THANA NO - 342
KHESRA PLOT NO - 84 & 85
KHATA - 197 & 392
TAUZI - 765,766
DISTRICT - BEGUSARAI,

BOUNDRY

NORTH :- 20'-0" BRANCE ROAD
SOUTH :- VASHIST SINGH VAGAIRAH
EAST :- SATYA NARAYAN PRASAD VAGAIRAH
WEST :- 30'0" MAIN ROAD & PRAMOD SINGH VAGAIRAH

SCALE	NORTH	DRAWING NO.
1:100 1:200		1/ S1

1. Arohi Kumar
2. Anjani Kumari
3. Ranjana
4. Ram Chandra Sinha
5. Ankita

Ankit Kumar Singh
Structural Engineer
Reg. No. - BRHD/SE/23-00E3
UDHD, Govt. of Bihar

SIG. OF STRUCTURE ENGINEER

Pappu Kumar
ARCHITECT
PAPPU KUMAR
Council Reg. No.- CA/2017/88788

SIG. OF OWNER

SIG. OF ENGINEER/ARCHITECT

Accepted
Valid From ..... to 10-03-2030
Municipal Commissioner
Municipal Corporation, Begusarai

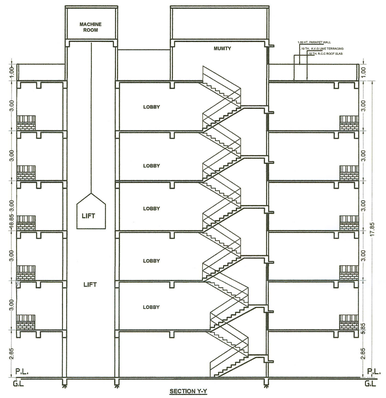
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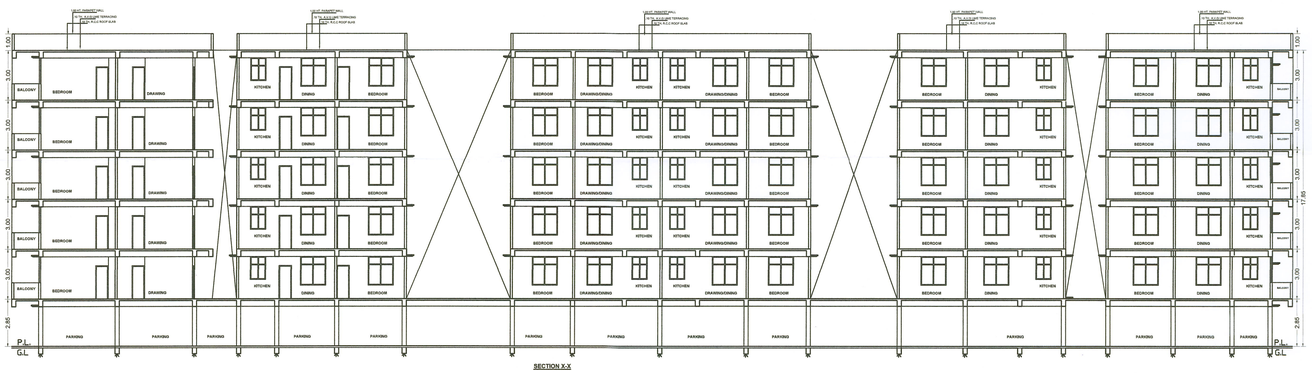
FRONT ELEVATION



SIDE ELEVATION



SECTION Y-Y



SECTION X-X

SHEDULE OF DOORS & WINDOWS:

TYPE	WIDTH	SILL HEIGHT	LINTEL HEIGHT	DEESCRIPTION
D	1000	0.0	2100	PANEL DOOR
D1	900	0.0	2100	DO
D2	800	0.0	2100	DO
W1	1200	900	2400	FULLY GLAYZD
W2	900	900	2400	DO
W3	600	1500	2400	DO

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SCALE 1:100 1:200	NORTH	DRAWING NO. I/ S1

1) Arohi kumar.
2) Anjani kumari
3) Ranjana
4) Ram Chandra Sigh
5) Ankita

SIG. OF OWNER

SIG. OF STRUCTURE ENGINEER

Pappu Kumar 24/10/25
ARCHITECT PAPPU KUMAR
Regd. No.- BR/10/8/2007/7697/03

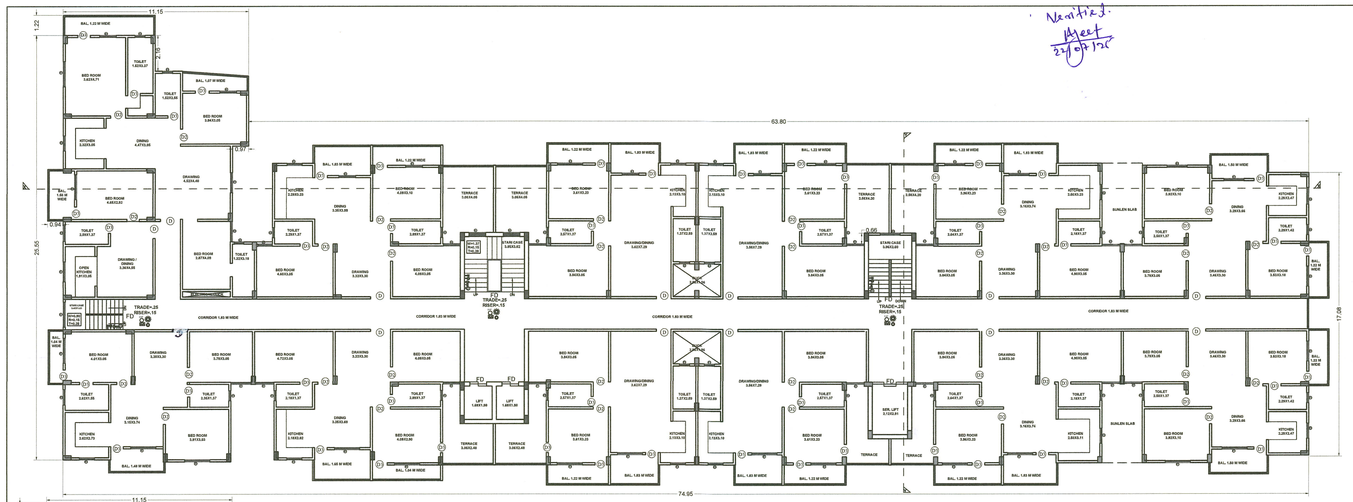
SIG. OF ARCHITECT

Verified Plan Approved 28/10/25

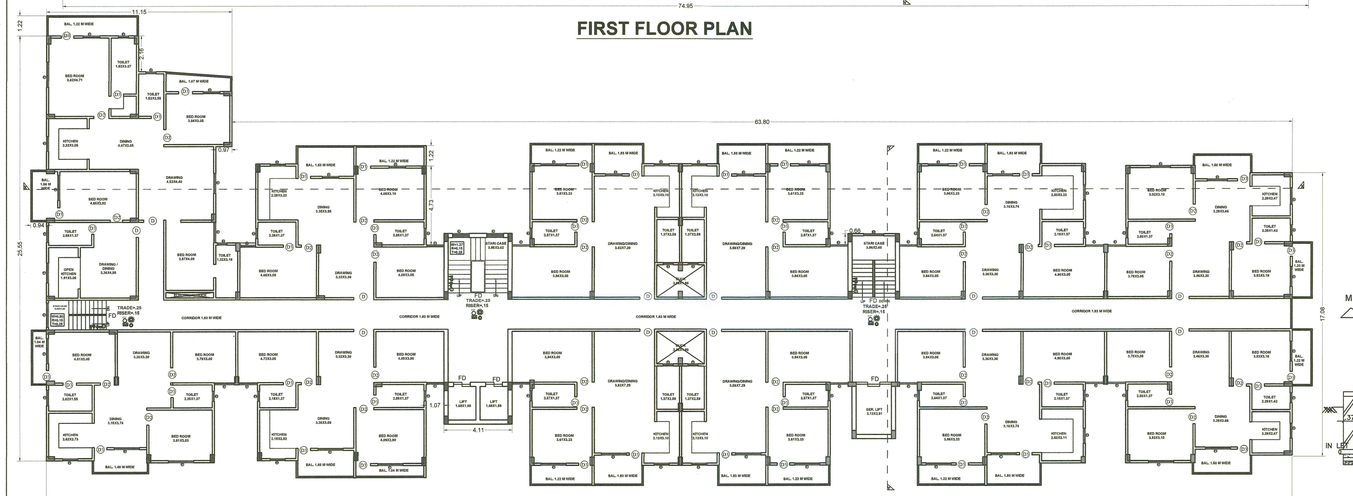
Received Plan modified 21/07/25 कनीय अभियंता सिनम राय

Accepted Valid From 10-03-2030 to
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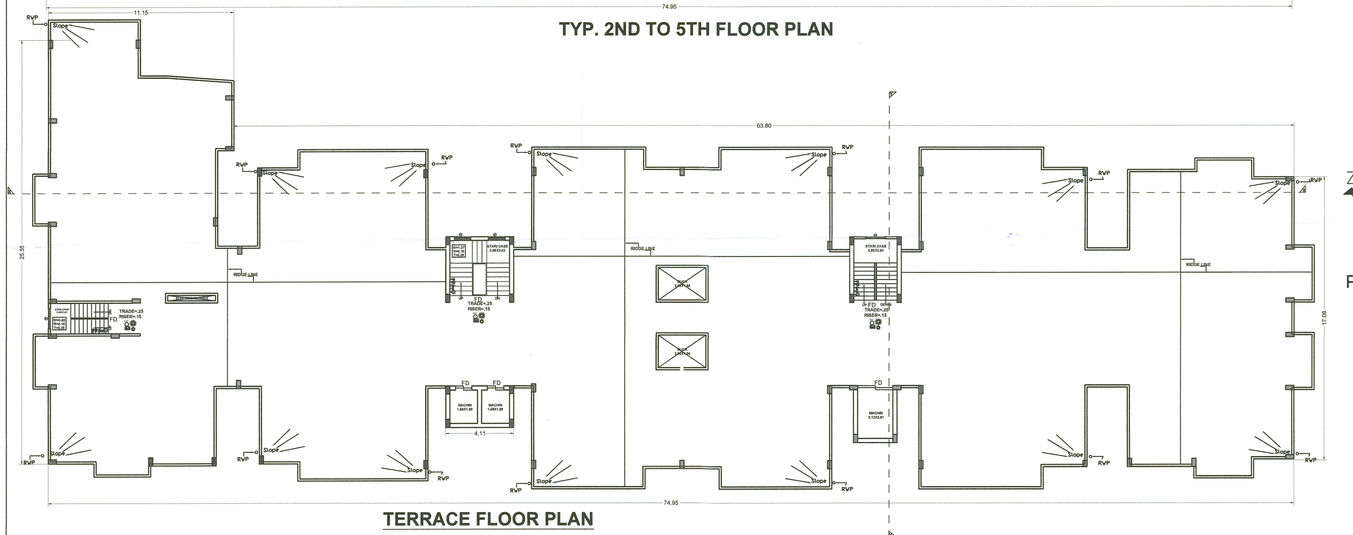
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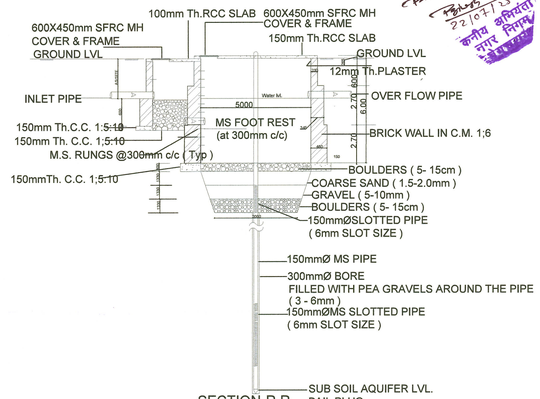
FIRST FLOOR PLAN

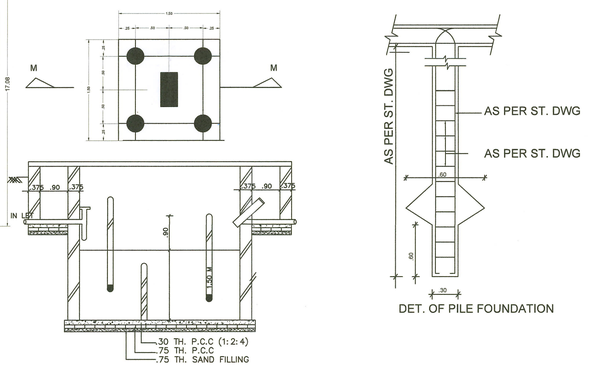


TYP. 2ND TO 5TH FLOOR PLAN



TERRACE FLOOR PLAN





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W1	1200	900	2400	FULLY GLAYZD
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Pankaj Kumar
Structural Engineer
Reg. No.-BR/UDHD/SE/23-0069
UDHD, Govt. of Bihar
SIG. OF STRUCTURE ENGINEER

Pappu Kumar 24/06/25
ARCHITECT
PAPPU KUMAR
Coa Reg. No.- CA/2014/170761
SIG. OF OWNER
SIG. OF ENGINEER/ARCHITECT

Accepted
Valid From 10-02-2030
Municipal Commissioner
Municipal Corporation, Begusarai