CERTIFICATE OF STRUCTURAL ENGINEER

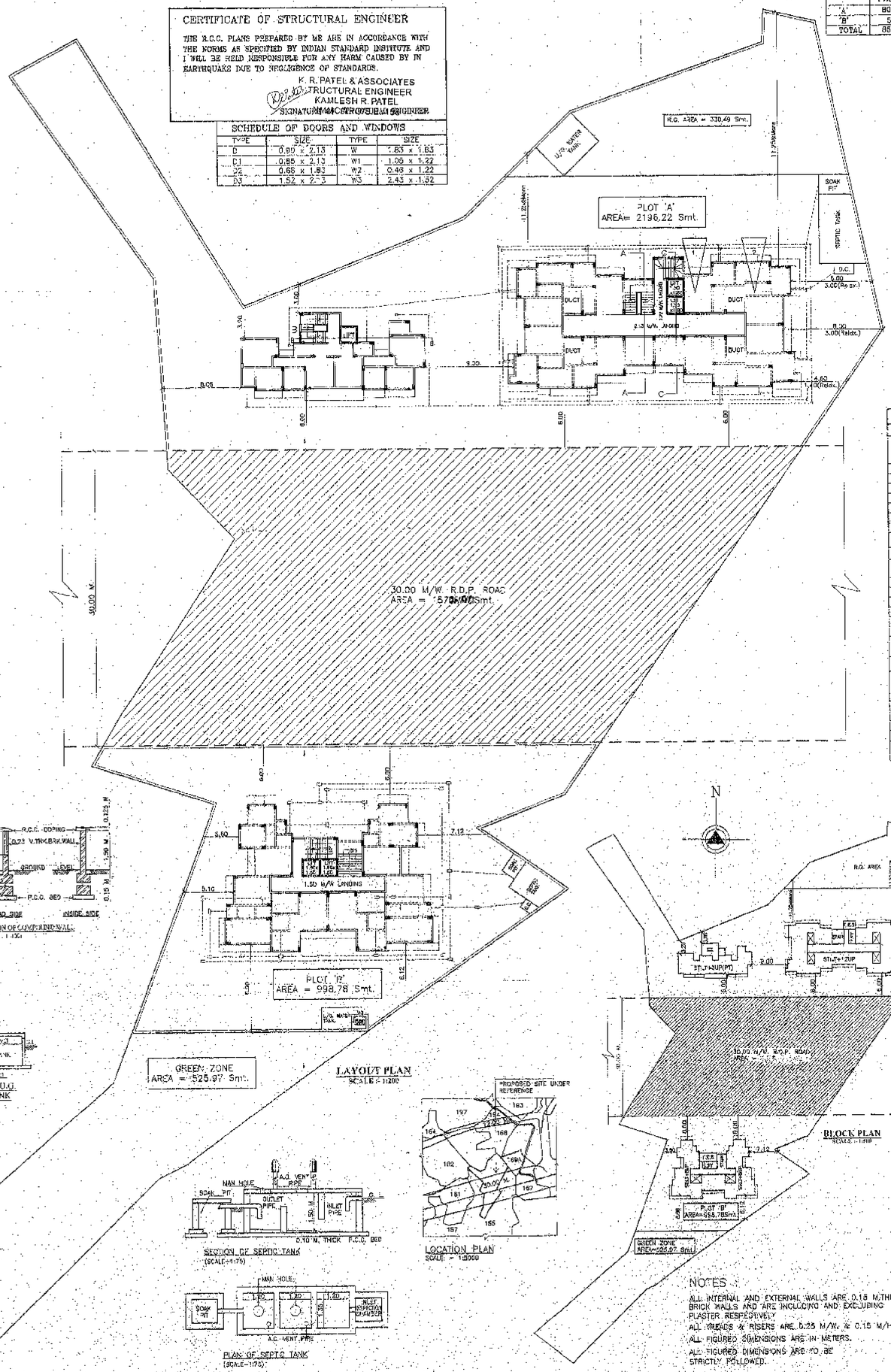
THE R.C.C. PLANS PREPARED BY ME ARE IN ACCORDANCE WITH THE NORMS AS SPECIFIED BY INDIAN STANDARD INSTITUTE AND I WILL BE HELD RESPONSIBLE FOR ANY HARM CAUSED BY IN EARTHQUAKE DUE TO NEGLIGENCE OF STANDARDS.

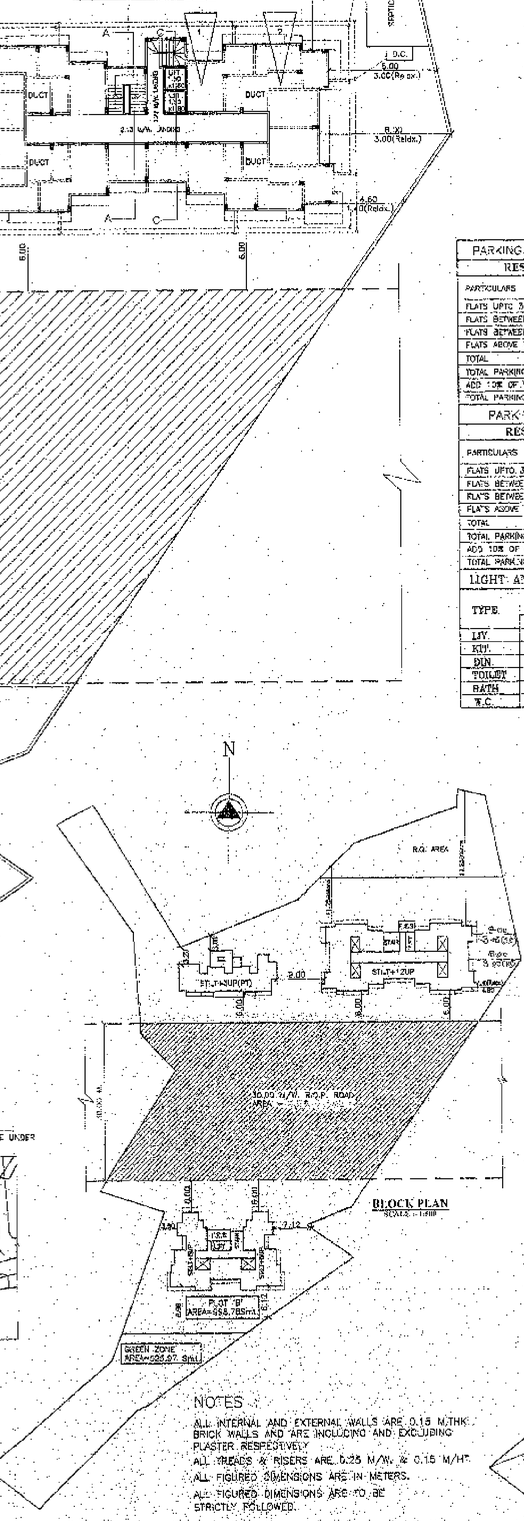
K. R. PATEL & ASSOCIATES
STRUCTURAL ENGINEER
KAMLESH R. PATEL
SIGNATURE OF STRUCTURAL ENGINEER

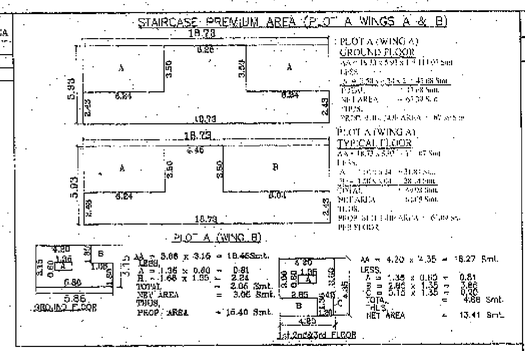
SCHEDULE OF DOORS AND WINDOWS

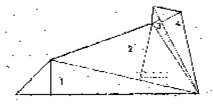
TYPE	SIZE	TYPE	SIZE
D	0.90 x 2.13	W	1.83 x 1.83
D1	0.85 x 2.13	W1	1.06 x 1.22
D2	0.68 x 1.83	W2	0.46 x 1.22
D3	1.52 x 2.13	W3	2.45 x 1.52

WING	STAIRCASE PREMIUM AREA
'A'	800.47 Smt.
'B'	55.63 Smt.
TOTAL	856.10 Smt.









R.G. AREA
LINE DIAGRAM
SCALE :- 1:500

R.G. AREA CALCULATION

1 = 34.07	x 0.50 =	15.40 Smt.
2 = 28.00	x 1.08 x 0.50 =	60.68 Smt.
3 = 18.74	x 1.64 x 0.50 =	15.36 Smt.
4 = 18.74	x 4.17 x 0.50 =	39.07 Smt.
TOTAL	=	330.49 Smt.

PARKING AREA SCHEDULE PLOT-A (WINGS-A&B)

RESIDENTIAL PARKING

PARTICULARS	No OF FLATS	No OF CARS REQUIRED	No OF CARS PROPOSED
FLATS UPTO 35.00 SMT	96	NIL	N.
FLATS BETWEEN 35.00 & 45.00 SMT	05	1.25	1.25
FLATS BETWEEN 45.00 & 70.00 SMT	NIL	NIL	NIL
FLATS ABOVE 70.00 SMT	NIL	NIL	NIL
TOTAL	101	1.25	1.25
TOTAL PARKING PROVIDED	= 1.25		
ADD 10% OF VISITORS PARKING	= 0.13		
TOTAL PARKING PROVIDED	= 1.38 Nos. (SAY 2 Nos)		

PARKING AREA SCHEDULE PLOT-B (WING-A)

RESIDENTIAL PARKING

PARTICULARS	No OF FLATS	No OF CARS REQUIRED	No OF CARS PROPOSED
FLATS UPTO 35.00 SMT	28	NIL	NIL
FLATS BETWEEN 35.00 & 45.00 SMT	NIL	NIL	NIL
FLATS BETWEEN 45.00 & 70.00 SMT	NIL	NIL	NIL
FLATS ABOVE 70.00 SMT	NIL	NIL	NIL
TOTAL	28	NIL	NIL
TOTAL PARKING PROVIDED	= NIL		
ADD 10% OF VISITORS PARKING	= NIL		
TOTAL PARKING PROVIDED	= NIL		

LIGHT AND VENTILLATION STATEMENT

TYPE	SIZE MTS.	CARPET AREA SMT.	REQD. VENT. SMT.	PROP. VENT. SMT.
LIV.	3.74 x 3.66	10.03	1.87	2.20
KIT.	3.42 x 1.85	6.33	1.06	1.46
DIN.	2.21 x 2.16	4.77	0.80	3.66
TOILET	1.22 x 3.66	3.65	0.64	0.66
BATH	1.22 x 1.62	1.85	0.31	0.55
W.C.	1.22 x 0.91	1.11	0.19	0.66

PLOT A CALCULATIONS

1 = 11.92	x 5.58 x 0.50 =	33.25 Smt.
2 = 7.32	x 25.13 x 0.50 =	91.95 Smt.
3 = 2.88	x 17.34 x 0.50 =	24.97 Smt.
4 = 4.56	x 10.40 x 0.50 =	49.81 Smt.
5 = 9.19	x 5.14 x 2.50 =	23.62 Smt.
6 = 8.72	x 17.40 x 0.50 =	75.86 Smt.
7 = 0.48	x 16.85 x 0.50 =	4.11 Smt.
8 = 30.13	x 14.65 x 0.50 =	220.83 Smt.
9 = 26.53	x 6.24 x 0.50 =	82.08 Smt.
10 = 8.52	x 23.90 x 0.50 =	101.55 Smt.
11 = 8.42	x 23.35 x 0.50 =	74.95 Smt.
12 = 13.97	x 50.92 x 0.50 =	355.58 Smt.
13 = 27.46	x 50.92 x 0.50 =	699.64 Smt.
14 = 9.25	x 41.03 x 0.50 =	189.76 Smt.
15 = 3.15	x 31.45 x 0.50 =	49.53 Smt.
16 = 9.25	x 41.03 x 0.50 =	189.76 Smt.
17 = 5.64	x 3.02 x 0.50 =	8.52 Smt.
18 = 36.06	x 3.84 x 0.50 =	47.33 Smt.
TOTAL	=	2196.22 Smt.

SETBACK AREA CALCULATIONS

19 = 64.40	x 1.93 x 0.50 =	96.01 Smt.
20 = 64.41	x 7.29 x 2.50 =	331.89 Smt.
21 = 70.74	x 10.25 x 0.50 =	363.96 Smt.
22 = 74.03	x 3.14 x 0.50 =	79.29 Smt.
23 = 77.25	x 2.20 x 0.50 =	84.98 Smt.
24 = 77.25	x 10.44 x 0.50 =	790.47 Smt.
TOTAL	=	1570.00 Smt.

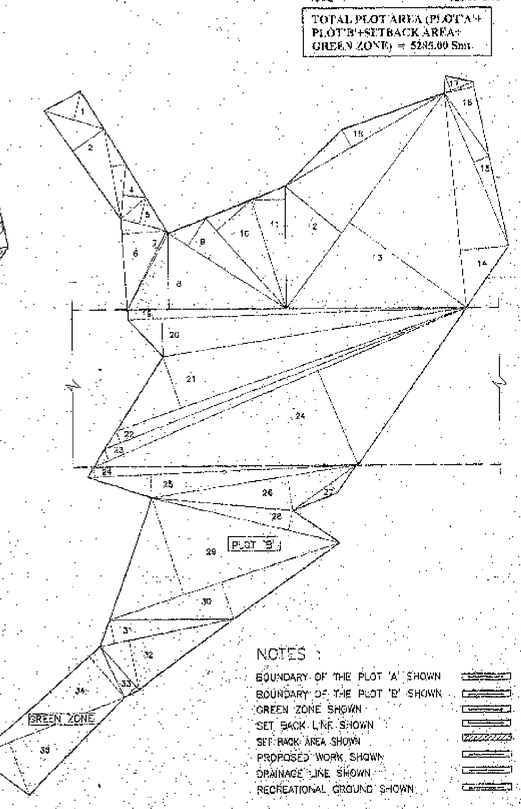
PLOT B CALCULATIONS

24 = 51.28	x 1.92 x 0.50 =	49.21 Smt.
25 = 51.26	x 4.42 x 0.50 =	113.25 Smt.
26 = 39.43	x 6.61 x 0.50 =	130.33 Smt.
27 = 14.83	x 2.19 x 0.50 =	16.24 Smt.
28 = 35.75	x 3.65 x 2.50 =	70.83 Smt.
29 = 45.30	x 19.37 x 0.50 =	448.42 Smt.
30 = 48.30	x 7.38 x 0.50 =	170.38 Smt.
TOTAL	=	998.76 Smt.

GREEN ZONE CALCULATIONS

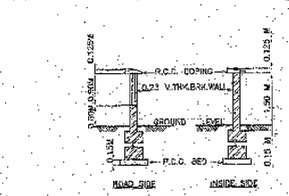
31 = 26.03	x 4.60 x 0.50 =	59.58 Smt.
32 = 26.03	x 9.66 x 0.50 =	125.63 Smt.
33 = 11.11	x 3.00 x 0.50 =	16.66 Smt.
34 = 31.34	x 10.16 x 0.50 =	99.05 Smt.
35 = 30.30	x 10.70 x 0.50 =	162.15 Smt.
TOTAL	=	525.97 Smt.

TOTAL PLOT AREA (PLOT'A'+ PLOT'B'+SETBACK AREA+ GREEN ZONE) = 5285.00 Smt.

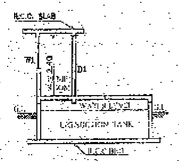


NOTES :

ALL INTERNAL AND EXTERNAL WALLS ARE 0.15 M.THK. BRICK WALLS AND ARE INCLUDING AND EXCLUDING PLASTER RESPECTIVELY.
ALL TREADS & RISERS ARE 0.25 M./W. & 0.15 M/HT.
ALL FIGURED DIMENSIONS ARE IN METERS.
ALL FIGURED DIMENSIONS ARE TO BE STRICTLY FOLLOWED.



SECTION OF COMPOUND WALL
SCALE :- 1:50



SECTION OF U.G. SUCTION TANK
(SCALE :- 1:50)

SECTION OF SEPTIC TANK
(SCALE :- 1:75)

PLAN OF SEPTIC TANK
(SCALE :- 1:75)

NOTES :

BOUNDARY OF THE PLOT 'A' SHOWN
BOUNDARY OF THE PLOT 'B' SHOWN
GREEN ZONE SHOWN
SET BACK LINE SHOWN
SET BACK AREA SHOWN
PROPOSED WORK SHOWN
DRAINAGE LINE SHOWN
RECREATIONAL GROUND SHOWN

STAMP OF APPROVAL OF PLAN

1/3

REVISED

शीकाह नकाशे मंजूर. सुधारित
गांगे मुरबाई ग्रामपंचायतीचे व बांधकाम प्रारंभ
प्रमाणपत्र क्र.कडोंमपा/नरवे/बां/कवि-सुधि/2093-58/RC/336
दिनांक 6/2/2015 पासून
वितरीत अधिकारी.

नगर रचनाकार
कल्याण डोंबिवली महानगरपालिका

PREVIOUS APPROVL No. KDMC/NRV/BP/KV/2013-14/68/76
DATED 06/06/2014

BUILT UP AREA STATEMENT PLOT-A(WING-A)

FLOOR	BUILT UP AREA(Smt.)
GROUND	NIL
FIRST	225.34
SECOND	225.34
THIRD	225.34
FOURTH	225.34
FIFTH	207.25
SIXTH	225.34
SEVENTH	225.34
EIGHTH	207.25
NINETH	225.34
TENTH	225.34
ELEVENTH	207.25
TWELVETH	225.34
TOTAL	2849.91

BALCONY AREA STATEMENT PLOT-A(WING-A)

FLOOR	PERMISSIBLE	PROPOSED	EXCESS
GROUND	NIL	NIL	NIL
FIRST	22.69	9.81	NIL
SECOND	22.69	9.81	NIL
THIRD	22.69	9.81	NIL
FOURTH	22.69	9.81	NIL
FIFTH	20.73	9.81	NIL
SIXTH	22.69	9.81	NIL
SEVENTH	22.69	9.81	NIL
EIGHTH	20.73	9.81	NIL
NINETH	22.69	9.81	NIL
TENTH	22.69	9.81	NIL
ELEVENTH	20.73	9.81	NIL
TWELVETH	22.69	9.81	NIL
TOTAL	TOTAL EXCESS BALCONY AREA		NIL

BUILT UP AREA STATEMENT PLOT-B(WING-B)

FLOOR	BUILT UP AREA(Smt.)
GROUND	NIL
FIRST	89.55
SECOND	89.55
THIRD	42.73
TOTAL	220.83

BALCONY AREA STATEMENT PLOT-B(WING-B)

FLOOR	PERMISSIBLE	PROPOSED	EXCESS
GROUND	NIL	NIL	NIL
FIRST	8.96	11.32	2.36
SECOND	8.96	11.52	2.56
THIRD	4.47	5.93	1.46
TOTAL	TOTAL EXCESS BALCONY AREA		6.18

BUILT UP AREA STATEMENT PLOT-B(WING-A)

FLOOR	BUILT UP AREA(Smt.)
GROUND	87.97
FIRST	196.57
SECOND	196.57
THIRD	196.57
FOURTH	196.57
FIFTH	196.65
TOTAL	990.91

BALCONY AREA STATEMENT PLOT-B(WING-A)

FLOOR	PERMISSIBLE	PROPOSED	EXCESS
GROUND	5.80	NIL	NIL
FIRST	19.66	11.28	NIL
SECOND	19.66	11.28	NIL
THIRD	19.66	11.28	NIL
FOURTH	19.66	11.28	NIL
FIFTH	19.67	11.28	NIL
TOTAL	TOTAL EXCESS BALCONY AREA		NIL

AREA STATEMENT

				SQMTS
1)	TOTAL PLOT AREA (AS PER MEASUREMENT)			5285.00
2)	DEDUCTIONS FOR			
a)	ROAD ACQUISITION AREA (set back area)			NIL
b)	PROPOSED ROAD			1570.00
c)	ANY RESERVATION (GREEN ZONE)			525.00
d)	TOTAL (a+b+c)			2095.00
3)	NET GROSS AREA OF PLOT (1-2d)	PLOT 'A' 2196.22	PLOT 'B' 998.78	3195.00
4)	DEDUCTIONS FOR			
a)	INTERNAL ROAD	NIL	NIL	NIL
b)	15% R.G. AREA (item No.4)	330.49	NIL	330.49
c)	TOTAL (a+b)	330.49	NIL	330.49
5)	NET BALANCE AREA OF PLOT	1865.73	998.78	2864.51
6)	ADDITIONS FOR F.A.R. 2a)	NIL	NIL	NIL
	2b)	1493.43	NIL	1493.43
	2c)	NIL	NIL	NIL
7)	TOTAL AREA OF PLOT(5+6(2b))	3359.16	998.78	4357.94
8)	F.A.R. PERMISSIBLE	1.00	1.00	1.00
9)	PERMISSIBLE FLOOR AREA	3359.16	998.78	4357.94
10)	EXISTING FLOOR AREA	NIL	NIL	NIL
11)	PROPOSED FLOOR AREA	2873.64	990.91	3864.55
12)	EXCESS BALCONY AREA	6.18	NIL	6.18
13)	TOTAL BUILT-UP AREA PROPOSED	2879.82	990.91	3870.73
14)	F.A.R. CONSUMED			0.89

TENEMENT STATEMENT

a)	NET AREA OF PLOT 'A' FROM 4 (7) ABOVE	3359.16	998.78	4357.94
b)	LESS DEDUCTION OF NON RESIDENTIAL AREA	NIL	NIL	NIL
c)	AREA OF TENEMENTS (a-b)	3359.16	998.78	4357.94
d)	TENEMENTS PERMISSIBLE	101 NOS.	30 NOS.	131 NOS.
e)	TENEMENTS PROPOSED	101 NOS.	28 NOS.	129 NOS.

CERTIFICATE OF AREA

THIS IS CERTIFIED THAT PLOT UNDER REFERENCE WAS SURVEYED BY ME ON DATED 18 / 05 / 2011 AND THE DIMENSIONS OF THE SIDES ETC. OF THE PLOT STATED ON THE PLANS ARE AS MEASURED ON SITE AND THE AREA SO WORKED OUT IS 4439.00 SMT AND TALLIES WITH THE AREA STATED ON THE DOCUMENTS OR P.R. RECORDS. viz. 4414.00 SMT.

SIGNATURE OF ARCHITECT

DESCRIPTION OF PROPOSAL AND PROPERTY

PROPOSED BUILDING ON LAND BEARING
S. No. 166, H. No. 2, AT
VILLAGE - TITWALA,
TALUKA - KALYAN,
DISTRICT - THANE.

NAME OF OWNER : Shri SHIVRAJ KOMAL SINGH

NAME,ADDRESS AND SIGNATURE OF POWER OF ATTORNEY HOLDERS

Shri SUNIL LAXMAN PATEL
ADD:- 806, SUMAN ELEGANCE, TONDON ROAD, DOMBIVLI (EAST).

VASTHUSHILP
RAJAN VILEKAR
ARCHITECT & INT. DESIGNERS.
REGD. No. CA/95/18553.