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SRIRANGA ASSOCIATES

Architectural*Structural*Approval
Interior design *Landscape*Construction
Reg.No: 649/2014
Email: srirangaassociatcs2014@gmail.com
GST. NO : 33EIYPS7134F1ZO
Registered & Certified Professional Engineer - Engineering Council of India & CIDC – New Delhi

ADDRESS:
#E7,Thirumagal Complex,Sastha nagar,FCI Road, Gandhi Managar, Coimbatore -641004.
MOBILE :+91- 88386 16809, +91- 80565 58814.
Registered Engineer (Coimbatore corporation)
Registered Engineer & Structural (DTCP)
Member of Association of Consulting Civil Engineers (India)

STABILITY CERTIFICATE

(To be furnished while filing application for registration of building)

The detailed engineering and structure design of the proposed building comprising of Residential Building (Group housing), floors at Ground +1 floors S.No: 001-2024 has been done by us based on the report of geotechnical investigation (soil test) done by (Geodesign India pvt.,)Report No: GEO-G-091-2024-25 Dated 21.07.2024 and considering the functional requirement of the building.

2. It is certified that among other factors, the proposed building has been designed to resist earthquake. I/We have checked various parameters and found that the proposed building would be safe.

3. I/We further certify that:

(i) The minimum grade of concrete is M20

(ii) The design and analysis has been done using the code of practice for plain and reinforced concrete as per IS 456, design loads as per IS Codes No IS 875 PART2 & PART 3 and design of earthquake resistant structure as per IS Code No IS 1893 & IS 13920

4. The building will be safe and sound when used for the purpose for which it is designed.

R.SABARIMANIKANDAN M.E (Civil)
Registered Structural Engineer
Reg. No: DTCP/SE/Gr-II/003/2022
SRI RANGA ASSOCIATES
46, KERALA CLUB ROAD, CBE - 641 018.

Encl.: Structural Design Calculation

Stamp and Signature

Date: 03.03.2025

COLUMN CALCULATION :

AXIAL LOAD = P = 450 kN

MOMENT @ X DIR = Mx = 33 kNm

MOMENT @ Y DIR = My = 5.28 kNm

*UNIAXIALY LOADED COLUMN

COLUMN SIZE = 230mm x 457mm

Pu/fck*B*D = (450*1.5*10^3)/(20*230*457) = 0.32

In Uniaxially Loaded Column the Moment to be taken Larger value

MAX.MOMENT = 33 kNm

Mu/fck*B*D*D = (33*1.5*10^6)/(20*230*457*457) = 0.06

d'/D Ratio = 0.105

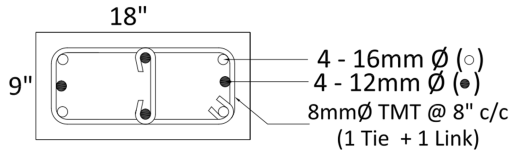
REFER CHAT 48,

p\fck = 0.06

p = 1.2%

Ast = 1261 mm^2

Provide 4 # of 16 mm+ 4#12mm Dia as Longitudinal Reinforcement .



LATERAL TIES :

DIAMETER :
1). (1/4)*20mm = 5mm
2). Should not Less then 6mm

SPACING :
1). The Least Lateral Dimension = 230mm
2). 16*20mm = 320mm
3). 48*8 = 384mm

Provide 8mm Dia @ 200mm c/c Spacing as Lateral Ties

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DESIGN OF GRADE BEAM

Grade Beam Design

Depth D = 457mm
Breadth = 230mm
Characteristic compressive strength of concrete f_{ck} = 20N/mm^2

Characteristic tensile strength of steel f_y = 500N/mm^2

Effective Depth d = 424 mm

Factored Moment @ end section = 80 kN.m

M_u/bd^2 = 1.93
Percentage of tension reinforcement p_t = 0.513
Area of reinforcement = 500.27mm^2
Diameter of bar = 16mm
Area of bar a_{st} = 201.06
No.of bars = $(p_t \times b \times d)/100 \times a_{st}$
= $(0.513 \times 230 \times 424)/100 \times 201.06$ = 2.48

Provide **3nos. of 16mm** dia. As tension reinforcement.

Percentage of compression reinforcement p_t = 0.181
No.of bars = $(p_t \times b \times d)/100 \times a_{st}$
= $(.181 \times 230 \times 424)/100 \times 201.06$ = .87

Provide **3nos. of 16mm** dia. As compresion reinforcement.

Moment @ mid section = 80 kN.m

M_u/bd^2 = 1.93
Percentage of reinforcement p_t = 0.513
Area of reinforcement = 500.27mm^2
Diameter of bar = 16
A_{st} = 201.06
No.of bars = $(p_t \times b \times d)/100 \times A_{st}$
= $(p_t \times b \times d)/100 \times A_{st}$

Provide **3nos. of 16mm** dia. As tension reinforcement.

Minimum compression reinforcement $A_{st} = (0.85 \times b \times d)/f_y$
A_{st} = 255.204 mm^2

Provide **3nos. of 16mm** diameter as compression reinforcement

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DESIGN OF DUCTILE DETAILING OF BEAMS (As per IS13920:1993)

Width of the beam = 230mm
Depth of The beam =457mm
Clear span of beam = 5100mm
Grade of concrete = M20
Grade of steel = Fe500

According to IS 13920: 1993, cl.6.1, the following requirement have to be satisfied for a flexural member.

As per cl.6.1.2, the member shall preferably have a width to depth ratio of more than 0.3

Width/Depth = 230/457

= .5 > 0.3

Hence ok

As per cl.6.1.3, the width of the member > 230mm

Therefore, width of beam = 230mm.

As per cl.6.1.4, Depth of member < 1/4 of clear span

(1/4) ×5100 = 1275mm

Provided D = 457 < 1275mm

SHEAR REINFORCEMENT

Shear force V_u = 50kN

Assume 25mm dia bar with 25mm clear cover

Effective depth (d) =457 – 25 – 16/2 = 424

Shear stress (τ_v) = V_u/bd

= $50\times 10^3/(230\times424)$

=0.51 kN

Shear to carried out by stirrups V_{us} = $V_u - \tau_c bd$

= 50 – (.23x230×424)

= 27.57 kN

V_{us}/d = 27.57/4.24

= 6.50 kN/cm

Refer Table 62 in SP16 for Fe500 N/mm^2

Providing 8mm tor @150mm c/c as shear reinforcement

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DESIGN OF ROOF BEAM

Roof Beam Design

Depth D = 457mm
Breadth = 230mm
Characteristic compressive strength of concrete f_{ck} = 20N/mm^2

Characteristic tensile strength of steel f_y = 500N/mm^2

Effective Depth d = 424 mm

Factored Moment @ end section = 110 kN.m

M_u/bd^2 = 2.66
Percentage of tension reinforcement p_t = 0.755
Area of reinforcement = 736mm^2
Diameter of bar = 16mm
Area of bar a_{st} = 201.06
No.of bars = $(p_t \times b \times d)/100 \times a_{st}$
= $(0.755 \times 230 \times 424)/100 \times 201.06$ = 3.66

Provide **4nos. of 16mm** dia. As tension reinforcement.

Percentage of compression reinforcement p_t = 0.181
No.of bars = $(p_t \times b \times d)/100 \times a_{st}$
= $(.181 \times 230 \times 424)/100 \times 201.06$ = .87

Provide **3nos. of 16mm** dia. As compresion reinforcement.

Moment @ mid section = 80 kN.m

M_u/bd^2 = 1.93
Percentage of reinforcement p_t = 0.513
Area of reinforcement = 500.27mm^2
Diameter of bar = 16
A_{st} = 201.06
No.of bars = $(p_t \times b \times d)/100 \times A_{st}$
= $(p_t \times b \times d)/100 \times A_{st}$

Provide **3nos. of 16mm** dia. As tension reinforcement.

Minimum compression reinforcement $A_{st} = (0.85 \times b \times d)/f_y$
A_{st} = 255.204 mm^2

Provide **3nos. of 16mm** diameter as compression reinforcement

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Clear span of beam = 5100mm
Grade of concrete = M20
Grade of steel = Fe500

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Width/Depth = 230/457

= .5 > 0.3

Hence ok

As per cl.6.1.3, the width of the member > 230mm

Therefore, width of beam = 230mm.

As per cl.6.1.4, Depth of member < 1/4 of clear span

(1/4) ×5100 = 1275mm

Provided D = 457 < 1275mm

SHEAR REINFORCEMENT

Shear force V_u = 50kN

Assume 25mm dia bar with 25mm clear cover

Effective depth (d) =457 – 25 – 16/2 = 424

Shear stress (τ_v) = V_u/bd

= $50\times 10^3/(230\times424)$

=0.51 kN

Shear to carried out by stirrups V_{us} = $V_u - \tau_c bd$

= 50 – (.23x230×424)

= 27.57 kN

V_{us}/d = 27.57/4.24

= 6.50 kN/cm

Refer Table 62 in SP16 for Fe500 N/mm^2

Providing 8mm tor @150mm c/c as shear reinforcement

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One way slab design

Length of slab (shorter span) =		3.353	m
Effective depth of slab	d =	0.125	m
Effective span of slab	l_{eff} =	3.478	
Over all depth slab	D=	0.145	m
Self Wt. of slab	=	3.625	kN/m
Floor finish load	=	1	kN/m
Live load	=	4	kN/m
Total load	=	8.625	kN/m
Factered load	=	12.9375	kN/m
Bending moment	=	15.6498	kN.m
Ast (main bars)	=	369.416	mm^2
Dia of bars d	=	10	mm
ast	=	78.5	mm^2
Spacing Main bars	=	212.497	mm
Provided spacing	=	200	mm

10 mm bars provided @150 mm spacing

Actual area of main bars	=	392.5	mm^2
Area of distribution bars	=	174	mm^2
Dia of bars d	=	8	mm
ast	=	50.24	mm^2
Spacing of dis. bars	=	288.736	mm
Provided spacing	=	280	mm
Actual Area of dis. Bars	=	179.429	mm^2

8 mm bars provided @ 280mm spacing

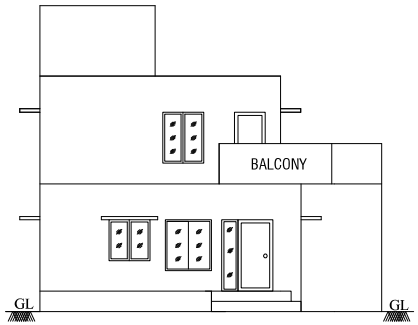
Modification factor kt	=	1.4
kc	=	1
kf	=	1
L/d Max.	=	36.4
L/d Actual	=	27.824

Check for Shear

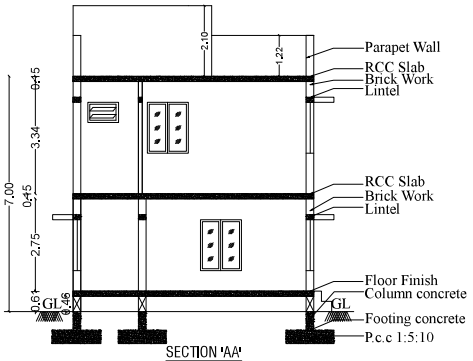
Shear Vu	=	22.49831	kN
Shear stress	=	0.179987	N/mm^2
k	=	1.3	(As per IS 456-2000 ,Pa. 72)
	=	0.4176	
Permissible shear stress	=	0.54288	N/mm^2

Safe

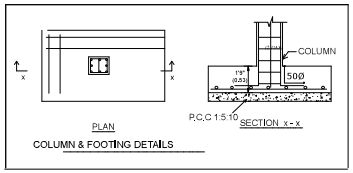
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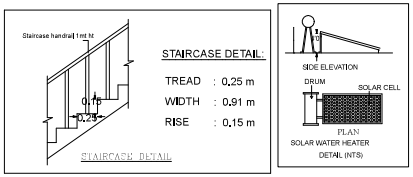
FRONT ELEVATION

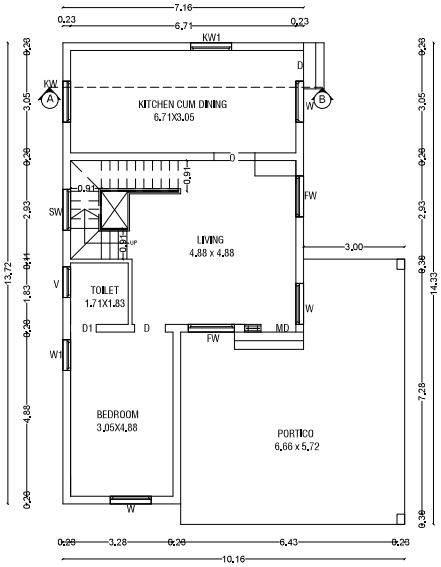


SECTION 'AA'

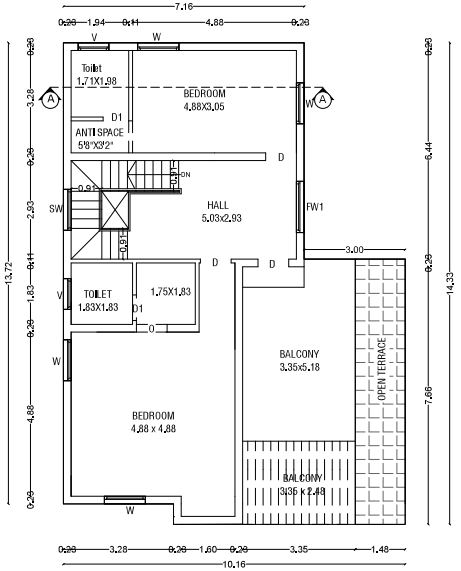


COLUMN & FOOTING DETAILS

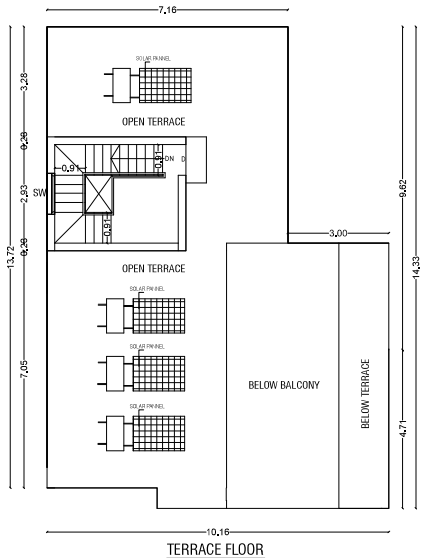




GROUND FLOOR PLAN



FIRST FLOOR PLAN



TERRACE FLOOR

BUILDING PLAN SHOWING THE REVISED APPROVAL OF A RESIDENTIAL GROUP DEVELOPMENT BUILDING IN S.F.NO-132/3B2,4,5&6B OF SARAVANAMPATTY VILLAGE,COIMBATORE NORTH TALUK, COIMBATORE DISTRICT.

TITLE - BLOCK-A1 _ GROUND, FIRST, ELEVATION, SECTION AT 'AA'

N

SCALE - 1:100

PROPOSED BUILDING AREA DETAILS:-

S.No	A1- DWELLING	FSI	NON-FSI
1	GROUND FLOOR	124.28	-
2	FIRST FLOOR	112.59	-
3	TERRACE FLOOR	-	14.01
	TOTAL AREA	236.87	14.01

JOINERY DETAILS:-

SYM	JOINERY DETAILS	SIZE IN METER
MD	MAIN DOOR	1.52 x 2.13
D	DOOR	0.91 x 2.13
D1	TOILET DOOR	0.76 x 2.13
W	WINDOW	1.22 x 1.52
W1	WINDOW	0.91 x 1.22
FW	FRENCH WINDOW	1.52 x 1.83
KW	KITCHEN WINDOW	1.22 x 1.52
KW1	KITCHEN WINDOW	1.22 x 1.52
SW	STAIR WINDOW	1.22 x 1.52
V	VENTILATOR	0.91 x 0.91
O	OPEN	0.91 x 2.13

Er. K.P. VETRISELVAN, M.E.,(GEOTECH),MIGS,MISTE.,
GEOTECHNICAL ENGINEER
CLPA REGN. No: CLPA/GTE/19/03/001
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REGISTERED GEO TECH ENGINEER

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REGISTERED ENGINEER / ARCHITECT

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REGISTERED CONSTRUCTION ENGINEER

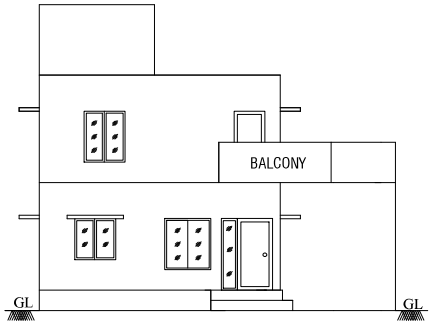
R.SABARIMANIKANDAN M.E (Civil)
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SRI RANGA ASSOCIATES
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REGISTERED STRUCTURAL ENGINEER

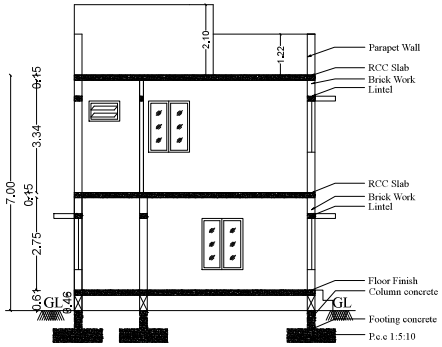
OWNER / APPLICANT

Sheet No -1/6

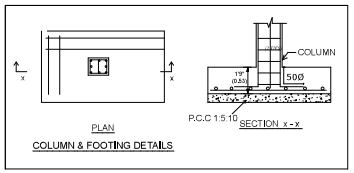
BUILDING PLAN SHOWING THE REVISED APPROVAL OF A RESIDENTIAL GROUP DEVELOPMENT BUILDING IN S.F.NO-132/3B2,4,5&6B OF SARAVANAMPATTY VILLAGE,COIMBATORE NORTH TALUK, COIMBATORE DISTRICT.



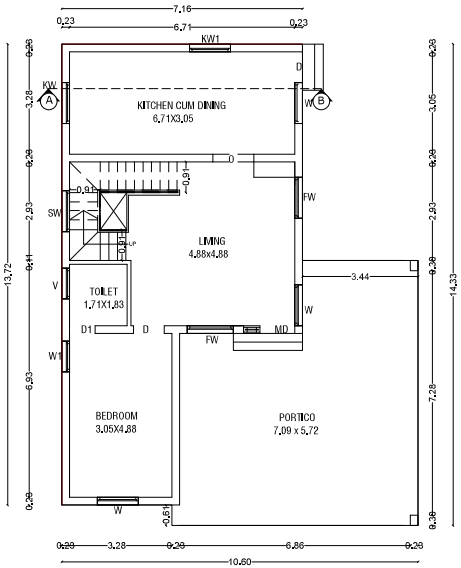
FRONT ELEVATION



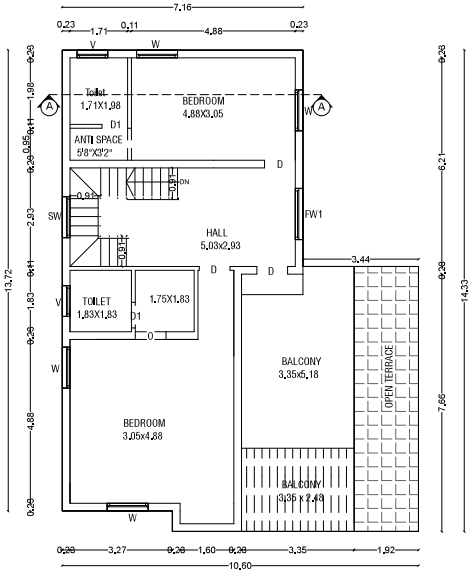
SECTION AA



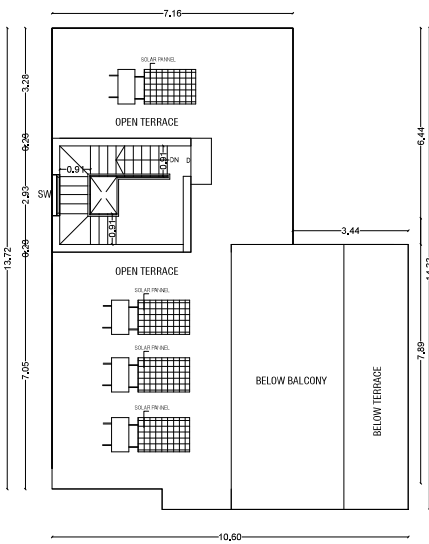
COLUMN & FOOTING DETAILS



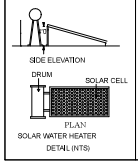
GROUND FLOOR PLAN



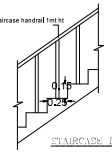
FIRST FLOOR PLAN



TERRACE FLOOR



SOLAR WATER HEATER DETAIL (NTS)



STAIRCASE DETAIL

STAIRCASE DETAIL:

TREAD : 0.25 m
WIDTH : 0.91 m
RISE : 0.15 m

TITLE - BLOCK-A2 _ GROUND, FIRST, ELEVATION, SECTION AT 'AA'

N

SCALE - 1:100

PROPOSED BUILDING AREA DETAILS:-

S.No	A2- DWELLING	FSI	NON-FSI
1	GROUND FLOOR	127.70	-
2	FIRST FLOOR	112.59	-
3	TERRACE FLOOR	-	14.01
	TOTAL AREA	240.29	14.01

JOINERY DETAILS:-

SYMBOL	JOINERY DETAILS	SIZE IN METER
MD	MAIN DOOR	1.52 x 2.13
D	DOOR	0.91 x 2.13
D1	TOILET DOOR	0.76 x 2.13
W	WINDOW	1.22 x 1.52
W1	WINDOW	0.91 x 1.22
FW	FRENCH WINDOW	1.52 x 1.83
KW	KITCHEN WINDOW	1.22 x 1.52
KW1	KITCHEN WINDOW	1.22 x 1.52
SW	STAIR WINDOW	1.22 x 1.52
V	VENTILATOR	0.91 x 0.91
O	OPEN	0.91 x 2.13

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OWNER / APPLICANT

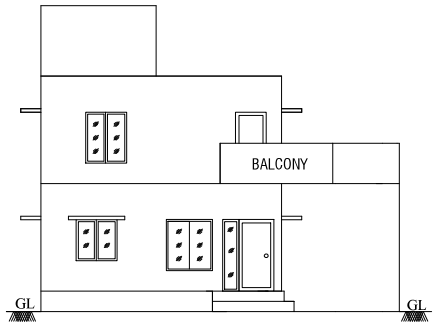
Sheet No -2/6

BUILDING PLAN SHOWING THE REVISED APPROVAL OF A RESIDENTIAL GROUP DEVELOPMENT BUILDING IN S.F.NO-132/3B2,4,5&6B OF SARAVANAMPATTY VILLAGE,COIMBATORE NORTH TALUK, COIMBATORE DISTRICT.

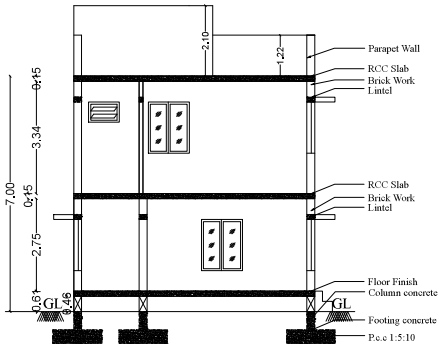
TITLE - BLOCK-A3 & A4 _ GROUND, FIRST, ELEVATION, SECTION AT 'AA'

N

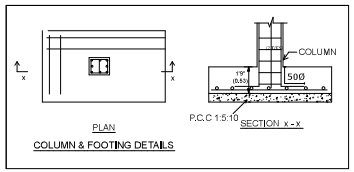
SCALE - 1:100



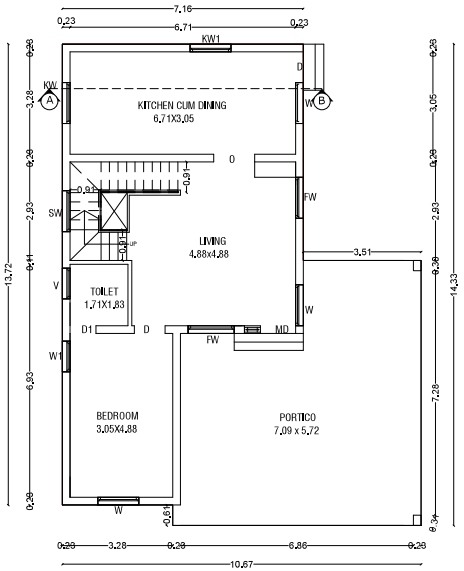
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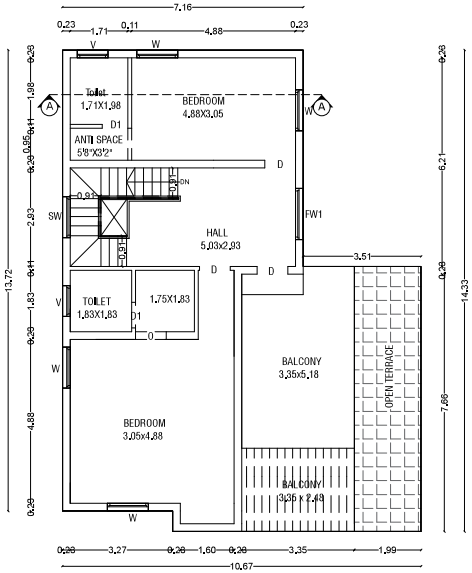
SECTION AA



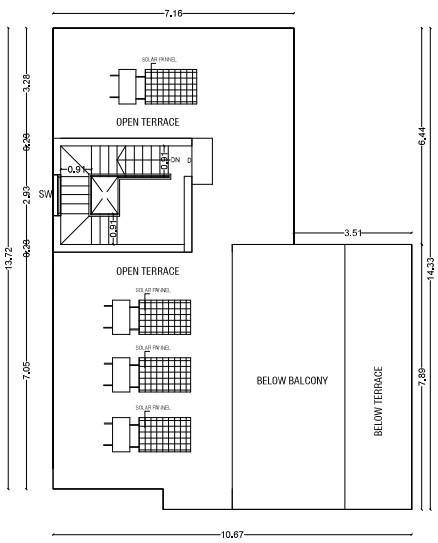
COLUMN & FOOTING DETAILS



GROUND FLOOR PLAN



FIRST FLOOR PLAN



TERRACE FLOOR

PROPOSED BUILDING AREA DETAILS:-

S.No	A3 TO A4- DWELLING	FSI	NON-FSI
1	GROUND FLOOR	256.50	-
2	FIRST FLOOR	225.18	-
3	TERRACE FLOOR	-	31.32
	TOTAL AREA	481.68	31.32

DWELLINGS AREA DETAILS:-

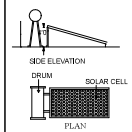
S.No	DWELLING	FLOOR	AREA	TOTAL
1	A3	GROUND	128.25	240.84
		FIRST	112.59	
		TERRACE	14.01	14.01
2	A4	GROUND	128.25	240.84
		FIRST	112.59	
		TERRACE	14.01	14.01

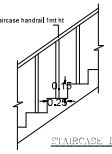
JOINERY DETAILS:-

SYMBOL	JOINERY DETAILS	SIZE IN METER
MD	MAIN DOOR	1.52 x 2.13
D	DOOR	0.91 x 2.13
D1	TOILET DOOR	0.76 x 2.13
W	WINDOW	1.22 x 1.52
W1	WINDOW	0.91 x 1.22
FW	FRENCH WINDOW	1.52 x 1.83
KW	KITCHEN WINDOW	1.22 x 1.52
KW1	KITCHEN WINDOW	1.22 x 1.52
SW	STAIR WINDOW	1.22 x 1.52
V	VENTILATOR	0.91 x 0.91
O	OPEN	0.91 x 2.13

R.SABARIMANIKANDAN B.E (Civil)
Registered Engineer
Reg. No: DTCP/RE/Gr-II/002/2022
SRI RANGA ASSOCIATES
46, KERALA CLUB ROAD, CBE - 641 018.

REGISTERED ENGINEER / ARCHITECT





STAIRCASE DETAIL

STAIRCASE DETAIL:

TREAD : 0.25 m
WIDTH : 0.91 m
RISE : 0.15 m

D. ARUN KUMAR.,B.E (CIVIL)
REGISTERED CONSTRUCTION ENGINEER
Reg No : Coimbatore LPA/CE/20/07/028
203, Alagesan Road, Saibaba Colony, Coimbatore - 641 011

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GEOTECHNICAL ENGINEER
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SRI RANGA ASSOCIATES
46, KERALA CLUB ROAD, CBE - 641 018.

REGISTERED STRUCTURAL ENGINEER

OWNER / APPLICANT

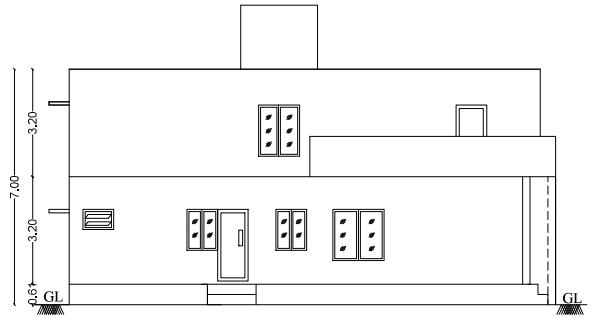
Sheet No-3/6

BUILDING PLAN SHOWING THE REVISED APPROVAL OF A RESIDENTIAL GROUP DEVELOPMENT BUILDING IN S.F.NO-132/3B2,4,5&6B OF SARAVANAMPATTY VILLAGE,COIMBATORE NORTH TALUK, COIMBATORE DISTRICT.

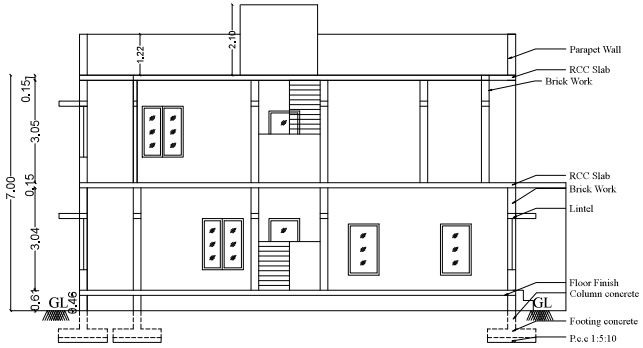
TITLE - BLOCK-B1,B2,B3,B4,B5 _ GROUND, FIRST, ELEVATION, SECTION AT BB

N

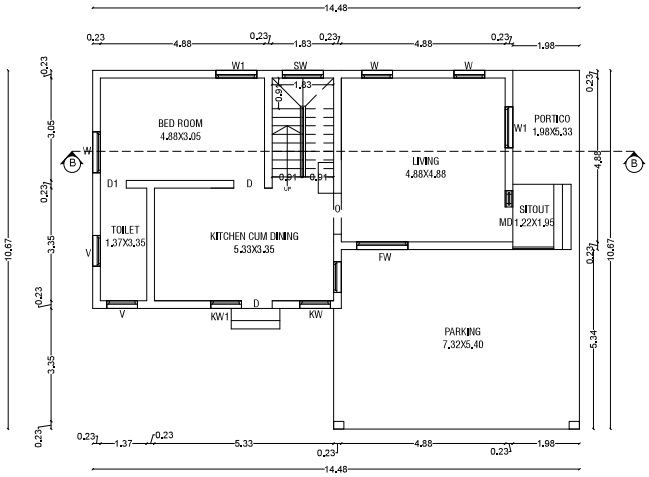
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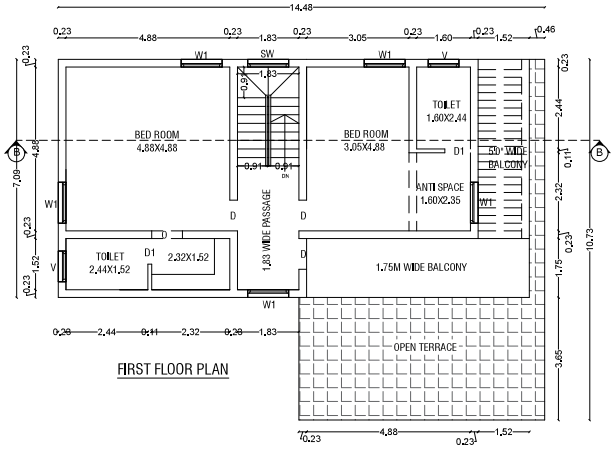
FRONT ELEVATION



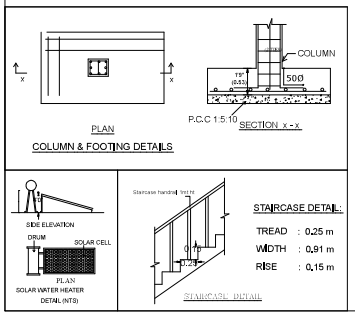
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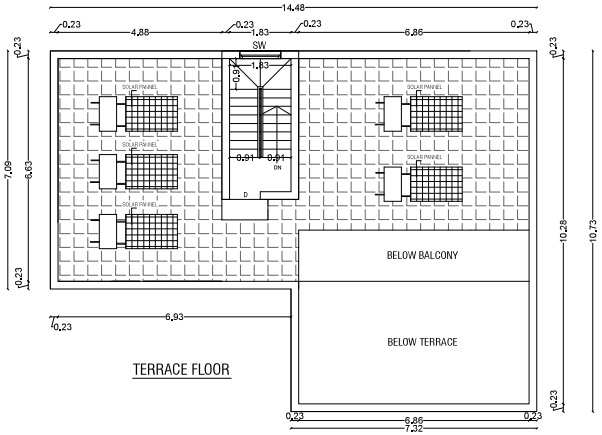


GROUND FLOOR PLAN



FIRST FLOOR PLAN





TERRACE FLOOR

PROPOSED BUILDING AREA DETAILS:-

S.No	B1 to B5 DWELLING	FSI	NON- FSI
1	GROUND FLOOR	644.00	-
2	FIRST FLOOR	496.80	-
3	TERRACE FLOOR	-	50.50
	TOTAL AREA	1140.80	50.50

DWELLINGS AREA DETAILS:-

S.No	DWELLING	FLOOR	AREA	TOTAL
1	B1	GROUND	128.80	228.16
		FIRST	99.36	
		TERRACE	10.10	10.10
2	B2	GROUND	128.80	228.16
		FIRST	99.36	
		TERRACE	10.10	10.10
3	B3	GROUND	128.80	228.16
		FIRST	99.36	
		TERRACE	10.10	10.10
4	B4	GROUND	128.80	228.16
		FIRST	99.36	
		TERRACE	10.10	10.10
5	B5	GROUND	128.80	228.16
		FIRST	99.36	
		TERRACE	10.10	10.10

JOINERY DETAILS:-

SYM	JOINERY DETAILS	SIZE IN METER
MD	MAIN DOOR	1.52 x 2.13
D1	DOOR	0.99 x 2.13
D2	DOOR	0.54 x 2.13
W	WINDOW	1.52 x 1.22
KW	KITCHEN WINDOW	0.91 x 0.91
V	VENTILATOR	0.91 x 0.91

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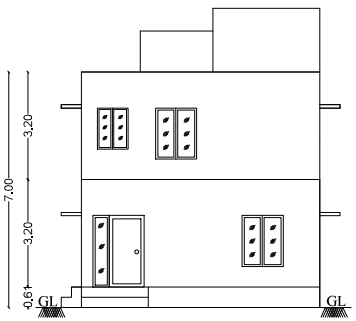
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REGISTERED ENGINEER / ARCHITECT

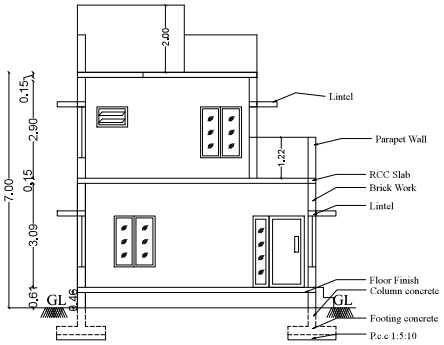
OWNER / APPLICANT

Sheet No-4/6

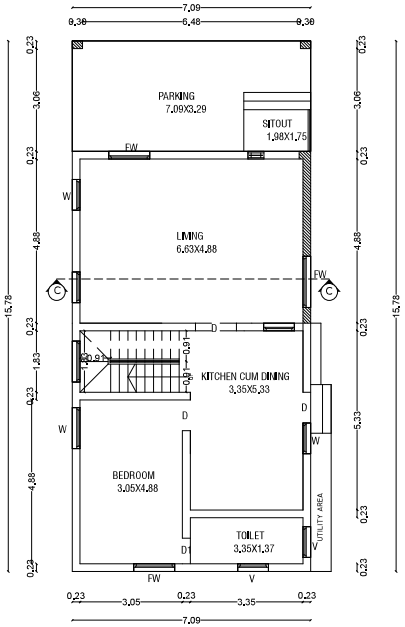
BUILDING PLAN SHOWING THE REVISED APPROVAL OF A RESIDENTIAL GROUP DEVELOPMENT BUILDING IN S.F.NO-132/3B2,4,5&6B OF SARAVANAMPATTY VILLAGE,COIMBATORE NORTH TALUK, COIMBATORE DISTRICT.



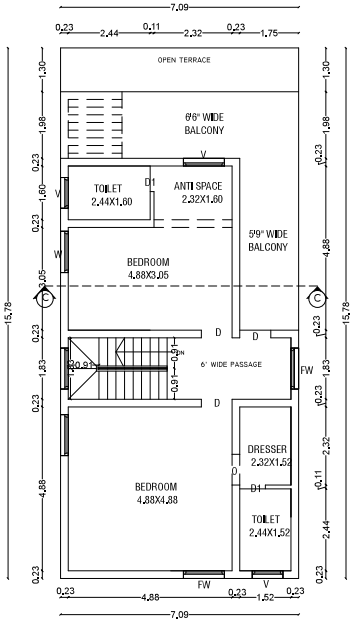
FRONT ELEVATION



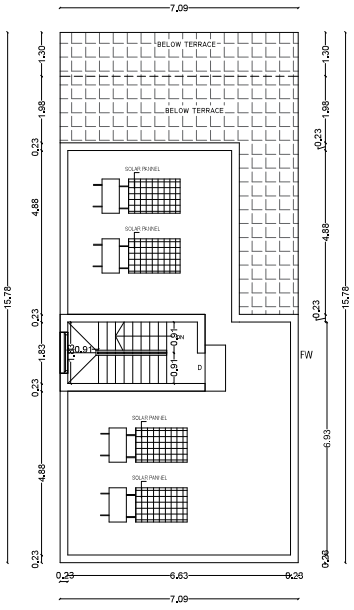
SECTION CC



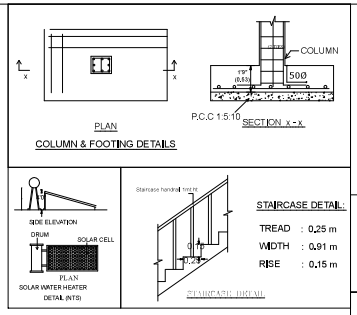
GROUND FLOOR PLAN



FIRST FLOOR PLAN



TERRACE FLOOR



TITLE - BLOCK-C1 _ GROUND, FIRST, ELEVATION, SECTION AT CC

N

SCALE - 1:100

PROPOSED BUILDING AREA DETAILS:-

S.No	C1-DWELLING	FSI	NON-FSI
1	GROUND FLOOR	111.84	-
2	FIRST FLOOR	102.60	-
3	TERRACE FLOOR		9.86
	TOTAL AREA	214.44	9.86

DWELLING AREA DETAILS:-

S.No	DWELLING	FLOOR	AREA	TOTAL
1	C1	GROUND	111.84	214.44
		FIRST	102.60	
		TERRACE	9.86	

JOINERY DETAILS:-

SYM	JOINERY DETAILS	SIZE IN METER
MD	MAIN DOOR	1.52 x 2.13
D1	DOOR	0.99 x 2.13
D2	DOOR	0.54 x 2.13
W	WINDOW	1.52 x 1.22
V	VENTILATOR	0.91 x 0.91

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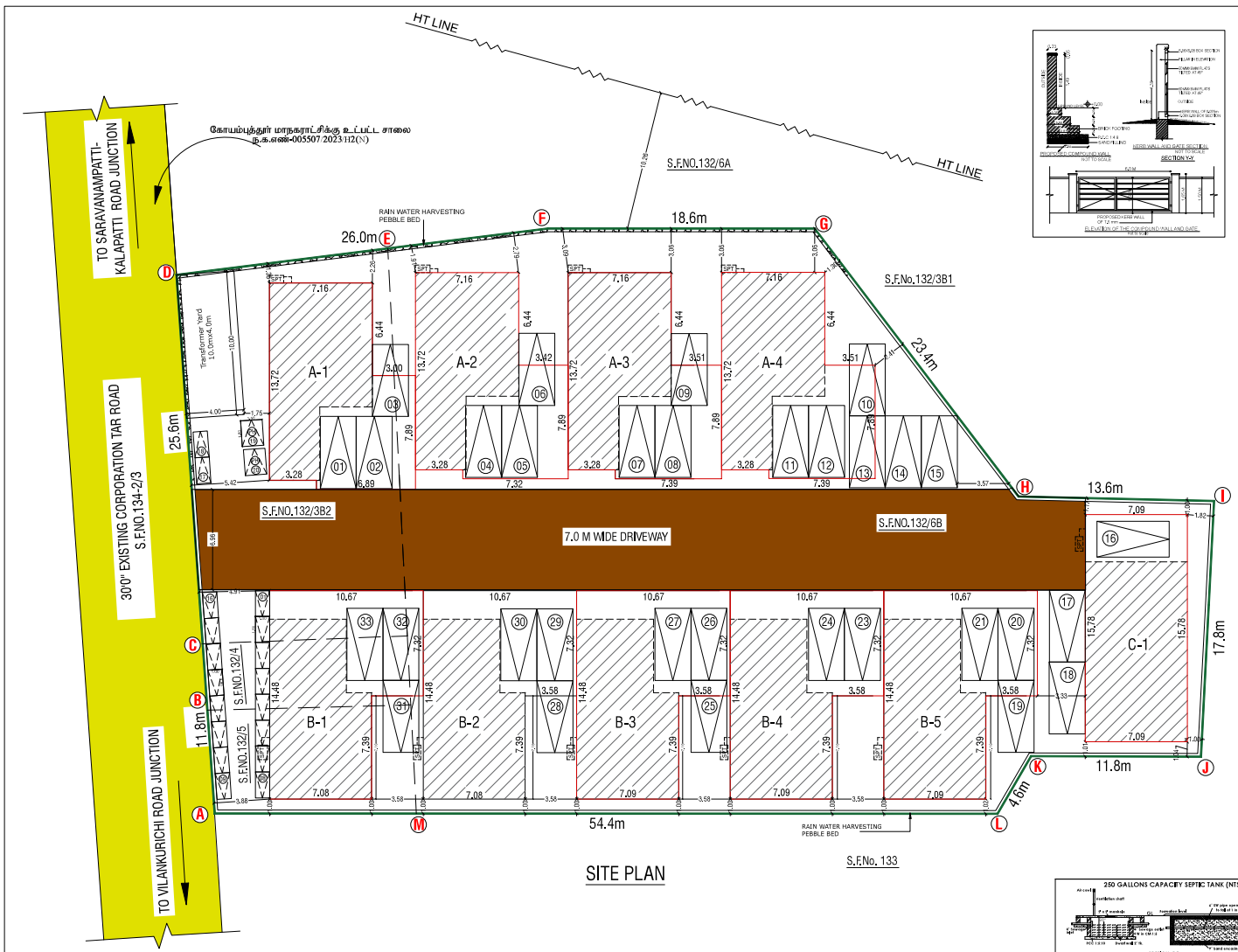
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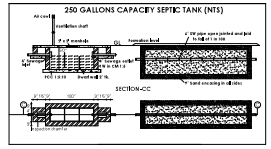
REGISTERED GEO TECH ENGINEER

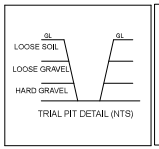
OWNER / APPLICANT

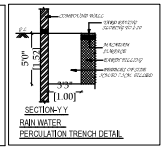
Sheet No -5/6



SITE PLAN







PROPOSED APPROVED DETAILS:-

ONLINE APPLICATION NO : SWP/BPA/1268615/2024
SWP / SITE APPROVAL : LP / CLPA NO : 425/2023
SWP / PLANNING PERMISSION NO : 528/2024

EXISTING APPROVED DETAILS:-

ONLINE APPLICATION NO : SWP/BPA/008723/2023
SWP / SITE APPROVAL : LP / CLPA NO : 425/2023
SWP / PLANNING PERMISSION NO : 490/2023

EXISTING AREA DETAILS:-

S.No	BLOCK NAME	DWELLING	FLOOR	FSI-AREA	NON-FSI	TOTAL
1	BLOCK - A	A1	GROUND	124.28	-	124.28
			FIRST	109.30	-	109.30
			TERRACE	-	14.01	14.01
		A2	GROUND	127.70	-	127.70
			FIRST	109.30	-	109.30
			TERRACE	-	14.01	14.01
		A3	GROUND	128.25	-	128.25
			FIRST	109.30	-	109.30
			TERRACE	-	14.01	14.01
		A4	GROUND	128.25	-	128.25
			FIRST	109.30	-	109.30
			TERRACE	-	14.01	14.01
2	BLOCK - B	B1	GROUND	128.80	-	128.80
			FIRST	79.61	-	79.61
			TERRACE	-	10.10	10.10
		B2	GROUND	128.80	-	128.80
			FIRST	79.61	-	79.61
			TERRACE	-	10.10	10.10
		B3	GROUND	128.80	-	128.80
			FIRST	79.61	-	79.61
			TERRACE	-	10.10	10.10
		B4	GROUND	128.80	-	128.80
			FIRST	79.61	-	79.61
			TERRACE	-	10.10	10.10
		B5	GROUND	128.80	-	128.80
			FIRST	79.61	-	79.61
			TERRACE	-	10.10	10.10
3	BLOCK - C	C1	GROUND	111.84	-	111.84
			FIRST	102.60	-	102.60
			TERRACE	-	9.86	9.86
TOTAL				2202.23	116.40	2318.63

SITE PLAN SHOWING THE REVISED APPROVAL OF A RESIDENTIAL GROUP DEVELOPMENT BUILDING IN S.F.NO-132/3B2,4,5&6B OF SARAVANAMPATTY VILLAGE, COIMBATORE NORTH TALUK, COIMBATORE DISTRICT.

SCALE :- 1"=8' (OR) 1:100

APPLICATION NO: SWP/BPA/1268615/2024
APPLICANT NAME: Mr.S.Karthick

AREA DETAILS:-

		IN SQM	IN ACRE
AREA OF THE SITE	=	2390.09	0.5906
AREA OF SITE AS PER DOCUMENT	=	2387.00 Sqm	
AREA OF SITE AS PER PATTA	=	2337.00 Sqm	
SUPER IMPOSED PLOT AREA	=	2390.09 Sqm	

PROPOSED AREA DETAILS:-

S.No	BLOCK NAME	DWELLING	FLOOR	FSI-AREA	NON-FSI	TOTAL
1	BLOCK - A	A1	GROUND	124.28	-	124.28
			FIRST	112.59	-	112.59
			TERRACE	-	14.01	14.01
2		A2	GROUND	127.70	-	127.70
			FIRST	112.59	-	112.59
			TERRACE	-	14.01	14.01
3		A3	GROUND	128.25	-	128.25
			FIRST	112.59	-	112.59
			TERRACE	-	14.01	14.01
4		A4	GROUND	128.25	-	128.25
			FIRST	112.59	-	112.59
			TERRACE	-	14.01	14.01
5	BLOCK - B	B1	GROUND	128.80	-	128.80
			FIRST	99.36	-	99.36
			TERRACE	-	10.10	10.10
6		B2	GROUND	128.80	-	128.80
			FIRST	99.36	-	99.36
			TERRACE	-	10.10	10.10
7		B3	GROUND	128.80	-	128.80
			FIRST	99.36	-	99.36
			TERRACE	-	10.10	10.10
8		B4	GROUND	128.80	-	128.80
			FIRST	99.36	-	99.36
			TERRACE	-	10.10	10.10
9		B5	GROUND	128.80	-	128.80
			FIRST	99.36	-	99.36
			TERRACE	-	10.10	10.10
10	BLOCK - C	C1	GROUND	111.84	-	111.84
			FIRST	102.60	-	102.60
			TERRACE	-	9.86	9.86
TOTAL				2314.08	116.40	2430.48

FSI CALCULATION AS PER PATTA :-

FSI (2314.08/2337.00) = 0.990

HEIGHT OF THE BUILDING = 7.00 Mt

PARKING DETAILS	REQUIRED	PROVIDED
CAR PARKING	33 Nos	33 Nos
TWO WHEELER PARKING	20 Nos	20 Nos

COLOUR INDEX :-

BOUNDARY OF THE SITE :
EXISTING ROADS :
PROPOSED CONSTRUCTION :
PROPOSED DRIVEWAY :

NOTE:-

* All Dimensions are in Metre.
* All round compound wall Provided.
* Rainwater percolation pits provided all round the site.
* Transformer yard provided in the NW corner of the site.
* S.T.P provided in the SE Corner of the Site.
* Sump and Fire Sump provided.
* Lightning Conductor provided in the roof.
* Fire Extinguisher & Emergency alarm is Provided.

D. ARUN KUMAR..B.E (CIVIL)
REGISTERED CONSTRUCTION ENGINEER
Reg No : Coimbatore LPA/CE/20/07028
205, Alagesan Road, Gokula Colony, Coimbatore - 641 001

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REGISTERED ENGINEER / ARCHITECT

OWNER / APPLICANT

Sheet No-6/6

Signature valid
Signed by: Joint Director
Location: Coimbatore
Date: 27.08.24



our services doesn't just end there

Buying & Selling Services

Property Buying Assistance, Property Selling Support, Market Price Analysis, Owner Outreach and Negotiation.

Legal & Documentation Services

Certified EC, Patta, legal opinions, property verification, due diligence, litigation solutions, and legal heir certificates.

Property Development & Approvals

Building plan approvals, construction, layout and sub-division approvals, zone conversion, and occupancy certification.

NRI & Investment Services

Escrow Services, Rentals, Litigation Solutions, Property Valuation and Property Management

Compliance & Special Services

Demolition, Vaasthu checks, regularization of unauthorized buildings, and office space solutions.



empowering your real estate decisions with smart tools

Property Valuation & Cost Estimation

Guideline Value, Apartment Composite Value, Stamp Duty & Registration Fees Calculator, Building Value Calculator, Capital Gains Calculator, Area Unit Converter, Length Unit Converter

Ownership, Compliance & Legal Verification

Encumbrance Certificate (EC) Search, Find Your SRO, Temple Property Check, WAQF Property Check, View Patta/Chitta, View FMB, Patta Analyzer, EC Analyzer

Zoning & Land Use Analysis

Land Use Zone Finder, CRZ Zone Check, Aquifer Zone Check, CBA Check, EWS Check, Road Width Check, Proposed Road Widening Check, FSI Calculator

Property Documentation & Workflow Tools

Forms & Templates, Document Generator, Document Translation, Dictionary

Vastu & Property Management Tools

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