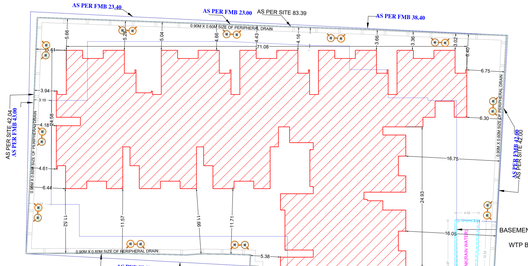
SITE PLAN	SHEET NO. 1/6

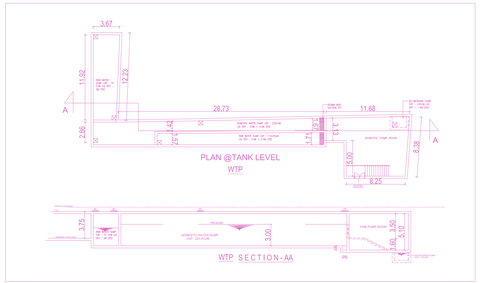
SITE PLAN

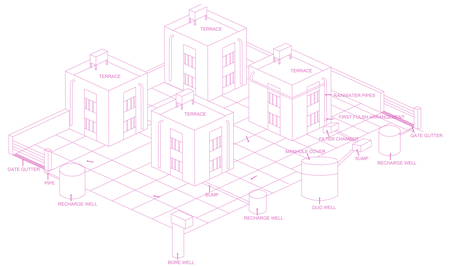
PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT CONSTRUCTING 2 BLOCKS WITH COMBINED BASEMENT + STILT + 5 FLOORS BLOCK-1 (01) HEIGHT +15.30M RESIDENTIAL BUILDING WITH 182 DWELLING UNITS AND OPEN SWIMMING POOL AT GROUND FLOOR LEVEL, CLUBHOUSE WITH GYMNASIUM, MULTIPURPOSE INDOOR GAMES ROOM AT 1ST FLOOR AND 3RD FLOOR LEVEL, YOGA ROOM AT 2ND FLOOR LEVEL, GYM AT 4TH FLOOR LEVEL. BLOCK 2 (02) HEIGHT +16.30M WITH STILT + 5 FLOORS RESIDENTIAL BUILDING WITH 170 DWELLING UNITS TOTALLY 352 DWELLING UNITS AVAILING PREMIUM FSI AT AGARAM VILLAGE, AGARAM THEN MAIN ROAD, SURVEY NO. 197/1, 197/2, 198, 199/1, 199/2, 213/1A, 213/1B, 213/2, 213/3, 214/1A, 214/1B, 214/2, 214/3, 214/4, 215/1, 215/2, 215/3A, 215/3B, 215/4A & 221/1 OF AGARAMTHEN VILLAGE WITHIN THE LIMIT OF ST THOMAS MOUNT PANCHAYAT UNION

A) AREA STATEMENT	SQ.M.
AREA AS PER PATTA	20581.57
AREA AS PER DOCUMENT	20900.00
AREA CONSIDERED FOR FSI	20581.57
ROAD WIDENING/LINK ROAD	1049.58
STREET ALIGNMENT	42.19
OSR AREA	1996.58
TOTAL FSI AREA	45507.27
FSI FACTOR	2.170
COVERAGE AREA (PERCENTAGE %)	N.A

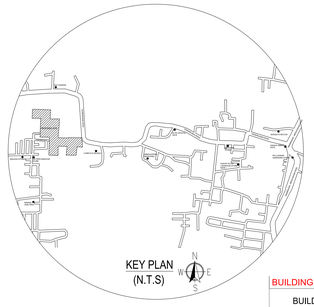
A) PARKING STATEMENT		
VEHICLE	REQUIRED	PROVIDED
LORRY	5	5
CAR	311	402
TWO WHEELER	153	196
CYCLE	9	9





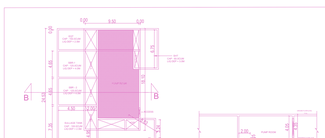


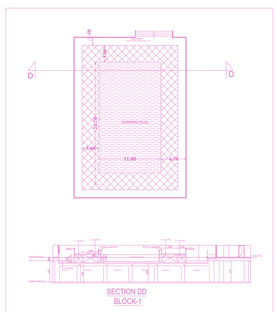
RAINWATER HARVESTING IN GROUP DEVELOPMENTS - 3A
(ROOFTOP TO SUMP THROUGH FIRST FLUSH/ FILTER AND OVER FLOW TO DUG WELL - SURFACE RUNOFF THROUGH BUMP, GATE GUTTER TO RECHARGE WELL)

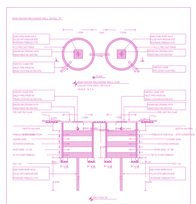


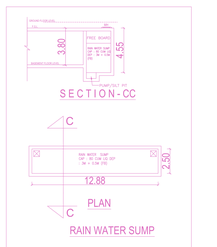
BUILDING WISE FSI STATEMENT

BUILDING	NO OF SAME BUILDING	FSI AREA				DU	TOTAL
		COMM.	RESI.	IND.	SPEC.		FSI AREA
BLOCK-1 (01)		0.00	25555.01	0.00	0.00	182	25555.01
BLOCK-1 (02)		0.00	19952.26	0.00	0.00	170	19952.26
Total		0.00	45507.27	0.00	0.00	352	45507.27







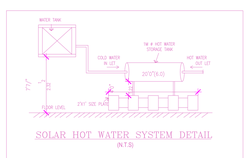


FLOOR WISE FSI STATEMENT: BLOCK (01)

FLOORS	FSI AREA				DU	TOTAL
	COMM.	RESI.	IND.	SPEC.		FSI AREA
Terrace	0.00	0.00	0.00	0.00	0	0.00
FIFTH FLOOR	0.00	4034.35	0.00	0.00	31	4034.35
FOURTH FLOOR	0.00	4233.62	0.00	0.00	31	4233.62
THIRD FLOOR	0.00	4233.63	0.00	0.00	31	4233.63
SECOND FLOOR	0.00	4233.60	0.00	0.00	31	4233.60
FIRST FLOOR	0.00	4118.46	0.00	0.00	30	4118.46
GROUND FLOOR	0.00	4405.82	0.00	0.00	28	4405.82
BASEMENT PARKING FLOOR	0.00	295.53	0.00	0.00	0	295.53
Total	0.00	25555.01	0.00	0.00	182	25555.01

FLOOR WISE FSI STATEMENT: BLOCK (02)

FLOORS	FSI AREA				DU	TOTAL
	COMM.	RESI.	IND.	SPEC.		FSI AREA
Terrace	0.00	0.00	0.00	0.00	0	0.00
FIFTH FLOOR	0.00	3345.84	0.00	0.00	29	3345.84
FOURTH FLOOR	0.00	3345.84	0.00	0.00	29	3345.84
THIRD FLOOR	0.00	3345.84	0.00	0.00	29	3345.84
SECOND FLOOR	0.00	3345.84	0.00	0.00	29	3345.84
FIRST FLOOR	0.00	3239.41	0.00	0.00	28	3239.41
GROUND FLOOR	0.00	3329.49	0.00	0.00	26	3329.49
Total	0.00	19952.26	0.00	0.00	170	19952.26



STP CALCULATION :

Adequacy Evaluation of the Sewage Treatment Plant
Adequacy Calculation – Equalisation Tank
Size of the Equalization Tank : 12m x 3.5m x 3.0m (LD)
Volume of the Equalization Tank, V : 126 m3
Flow Rate, Q : 11/m3/hr
Retention Time : 126/11
: 11 hours
Standard Retention hours for collection Tank is 4-8 hrs
Provided Retention Hours is = or > standard retention hours.
Hence its adequate.

Adequacy Calculation – SBR Tank
Design flow : 270KLD
No. of reactor : 1
No. of Cycle : 5
Period of each cycle : 4hours
Fill & reaction period for each cycle : 2hours
Settling period in each cycle : 1hour
Decanting period in each cycle : 1hour
Volume sewage to be treated per cycle : 270/5 = 54 cu.m
Volume required for SBR Tank : 54*3 = 162 cum
Provided volume of SBR Tank is more than required volume.

Adequacy Calculation – Decant Tank
Size of the Decant tank : 12m 3.6m x 3.0m (LD)
Volume of the Decant Tank, V : 90m3
Flow Rate, Q : 11/m3/hr
Retention Time : 90/11
: 8hours
Hence it is adequate

Air Calculation
Specification of Air Blower:

BOD load per day = 350 mg/lit x 270000 l/day = 94.5 kgs/day
Oxygen Required For Reduction Of 1Kg of BOD we Require 2.0 Kgs of Oxygen
Oxygen required for Reduction of 168 Kgs of BOD : = 94.5 x 2
: 189 kgs/day
Air flow required per hr = Oxygen required per day/ 24 x 1.203 x 0.232 x 0.5 x 0.272 +208 m³/hr.

Hence Air flow rate is designed for adequate capacity

SPECIFICATION OF TREATED WATER TANK
Adequacy Calculation
Size of the Treated water Tank : 8m x 6.6 m x 5m (LD)
Volume of the Treated water Tank, V : 220 m³
Flow Rate, Q : 11 m³/hr
Retention Time : 220/11
: 20 hours
Hence adequate

SPECIFICATION OF SLUDGE HOLDING TANK
Adequacy Calculation

Size of the Sludge Holding Tank : 4m x 3 m x 3 m (LD)
Volume of the Sludge Holding Tank, V :36 m³
Flow Rate, Q : 11 m³/hr
Retention Time : 36/11
: 3 hours

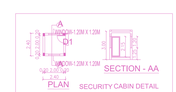
SPECIFICATION OF PRESSURE SAND FILTER
Adequacy Calculation

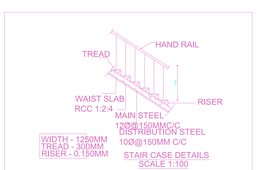
Flow rate Q : 11 m³/hr
Filtration rate for PSF (V) : 15 m³/m² hr
Q : A x V
A : 11/15
: 0.733 m²
D² : 0.733 x 4/3.14
: 0.934
D : 0.96 m
Diameter provided is 1000 mm
Hence adequate

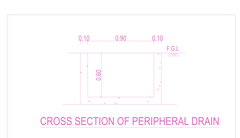
SPECIFICATION OF ACTIVATED CARBON FILTER
Adequacy Calculation

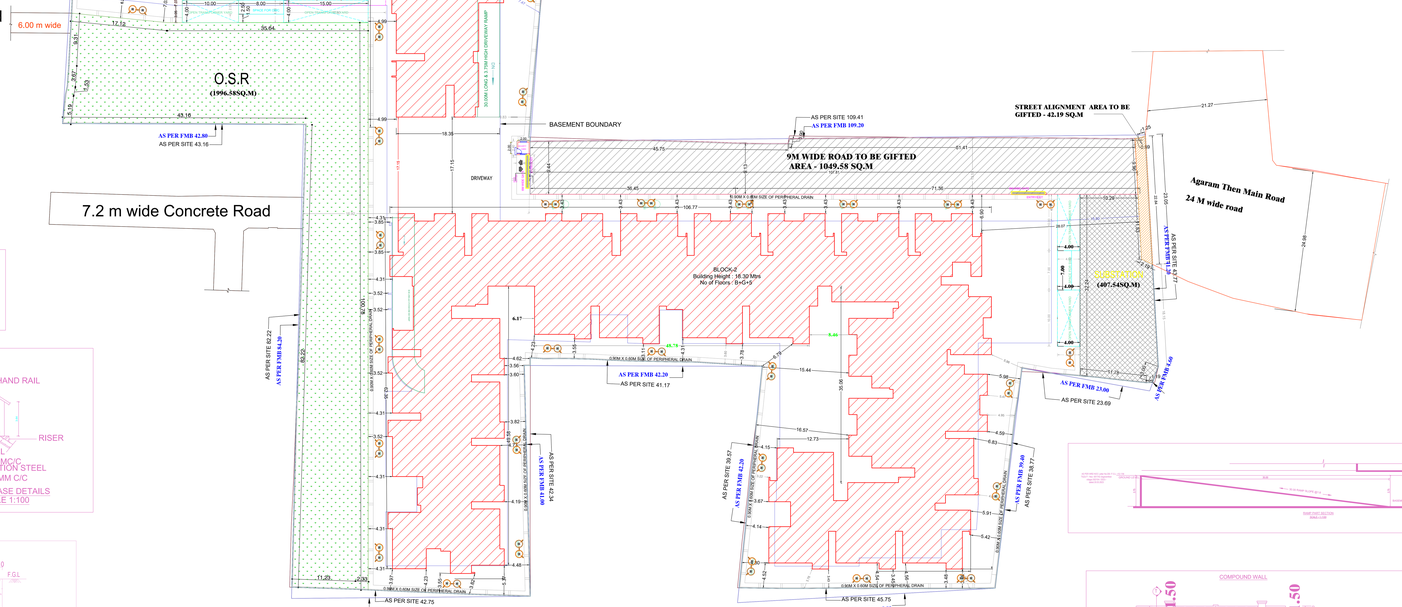
Flow rate Q : 11 m³/hr
Filtration rate for ACF (V) : 15 m³/m² hr
Q : A x V
A : 11/15
: 0.733 m²
D2 : 0.733 x 4/3.14
: 0.934
D : 0.96m
Diameter provided is 1000 mm
Hence adequate

SPECIFICATION OF UF TREATED WATER TANK
Adequacy Calculation
Size of the UF Treated water Tank : 5m x 2.4 m x 5m (LD)
Volume of the UF Treated water Tank, V : 96 m³
Flow Rate, Q : 11 m³/hr
Retention Time : 96/11
: 8 hours

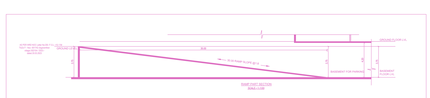


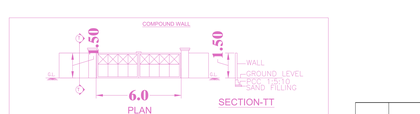


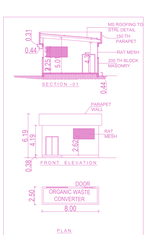


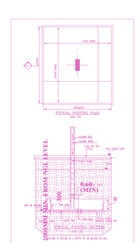


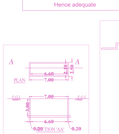
SITE PLAN (Scale - 1:200)

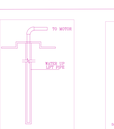


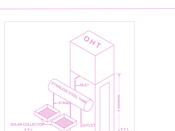












APPROVAL CONDITION

Signature Not Verified

CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY
Approved Plan No. : A/PP/MSB/000/2022/0222 M.S
Letter Ref. No. : CMDA/PP/BP/2022/000202022
Approved Date : 07/10/2022 12:00:00 PM
Permit No. : OL-00389

Applicants (Owner / Developer / Power of Attorney)

Signature Not Verified
Digitally signed by
ASHWIN . S.VIJAY
Date: 2022.10.07 12:43:47 PM

For Director Planner / Chief Planner / Member Secretary
High Rise Building / Non High Rise Building
This Approval is valid only after Payment of Scrutiny Fee & Development Levy Fee.

QR CODE

KEY / KEY NO. : 6666

This is a system generated drawing as per the soft copy submitted by the Architect/ License Engineer

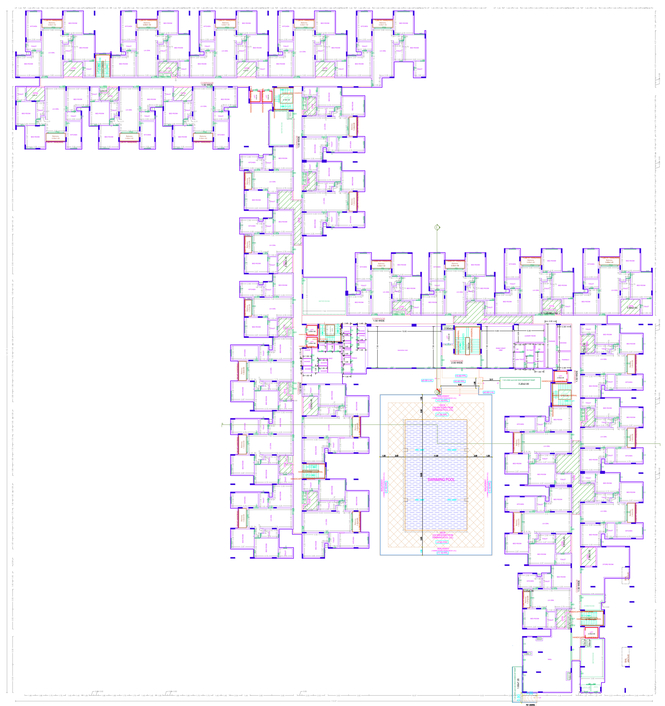
User/Defined/Imperial (90.00 x 50.00/inches)

FLOOR NAME	SHEET NO. 2 / 8
FLOOR NAME	

PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT COMPRISING 2 BLOCKS WITH COMBINED G+3 FLOORS (HEIGHT +13.350M) RESIDENTIAL BUILDING AND 1 FLOORS (HEIGHT +10.350M) RESIDENTIAL BUILDING WITH 182 DWELLING UNITS AND OPEN SWIMMING POOL AT GROUND FLOOR LEVEL, CLUBHOUSE AT GROUND FLOOR LEVEL, INDOOR GAMES ROOM AT 1ST FLOOR AND 3RD FLOOR LEVEL, YOGA ROOM AT 2ND FLOOR LEVEL, GYM AT 4TH FLOOR LEVEL, BLOCK 2 COMPRISING OF STILT + 4 FLOORS (HEIGHT +15.00M) RESIDENTIAL BUILDING WITH 370 DWELLING UNITS, TOTALLY 552 DWELLING UNITS AVAILING PREMIUM FSI AT AGARAM PANCHAYAT VILLAGE, SURVEY NO. 181/1, 181/2, 181/3, 181/4, 182/1, 182/2, 2/1, 2/2, 2/3A, & 2/3 T OF AGARAMTHEN VILLAGE WITHIN THE LIMIT OF ST.THOMAS MOUNT PANCHAYAT UNION

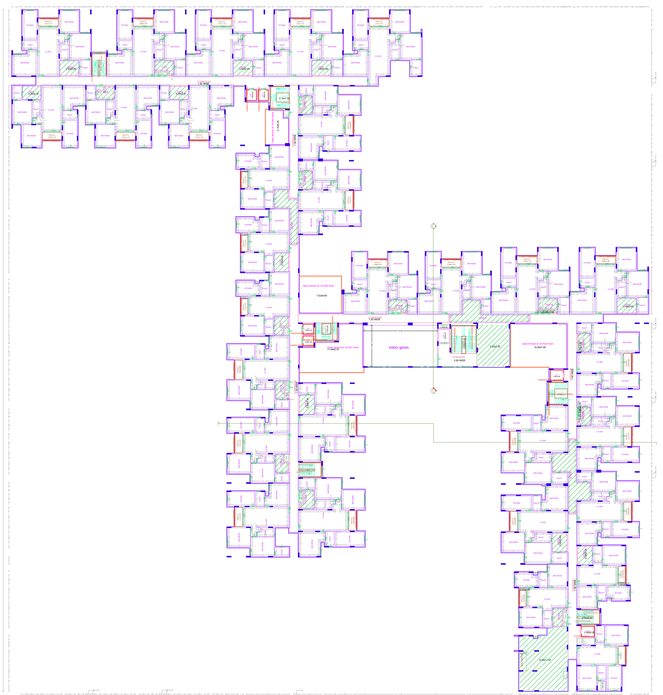
BASEMENT FLOOR PLAN

(SCALE 1:200)



GROUND FLOOR PLAN

(SCALE 1:200)



FIRST FLOOR PLAN

(SCALE 1:200)

BLOCK-1

APPROVAL CONDITION

SCALE 1:100

CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY

APPROVED

SUBJECT TO THE CONDITIONS MENTIONED IN THIS OFFICE

For Director Planning / Chief Planner / Member Secretary
High Rise Building / Very High Rise Building
This Approval is valid only after Building Permit is issued by the competent Local Body.

KEY NO. 6668

QR CODE

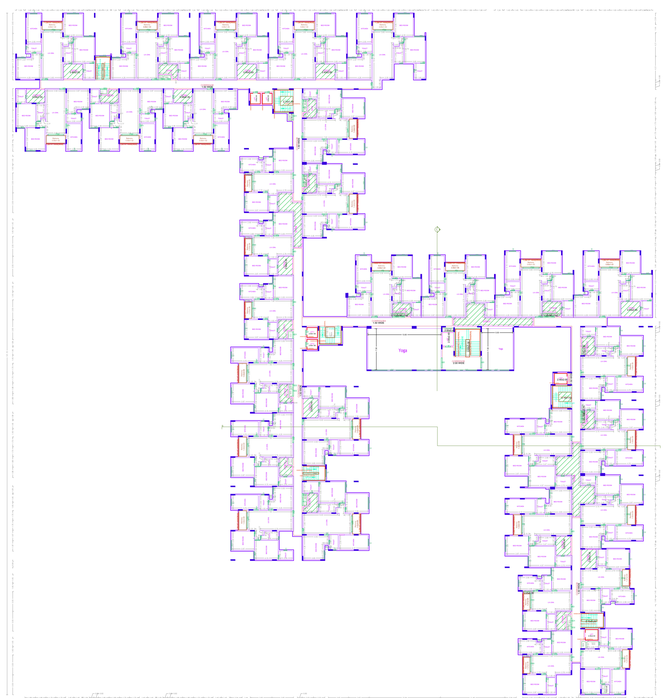
Applicants (Owner / Developer / Power of Attorney)

This is a system generated drawing as per the soft copy submitted by the Architect/ License Engineer

User/Definedimperial (90.00 x 50.00inches)

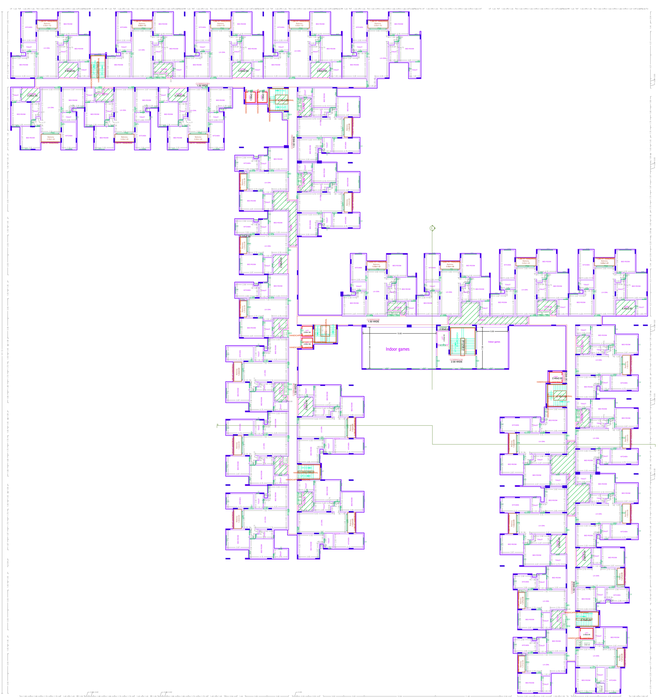
FLOOR NAME	SHEET NO. 3/6
FLOOR NAME	

PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT COMPRISING 2 BLOCKS WITH COMBINED BASEMENT + GROUND + 4 FLOORS + 5 FLOORS + 6 FLOORS (HEIGHT +16.95M) RESIDENTIAL BUILDING WITH 152 DWELLING UNITS AND OPEN SWIMMING POOL AT GROUND FLOOR LEVEL, CLUBHOUSE WITH GYM AT GROUND FLOOR LEVEL, INDOOR GAMES ROOM AT 1ST FLOOR AND 3RD FLOOR LEVEL, YOGA ROOM AT 2ND FLOOR LEVEL, GYM AT 4TH FLOOR LEVEL, BLOCK 2 COMPRISING OF BASEMENT + GROUND + 4 FLOORS (+16.35M) RESIDENTIAL BUILDING WITH 72 DWELLING UNITS, TOTALLY 352 DWELLING UNITS AVAILING PREMIUM FSI AT AGARAM PANCHAYAT UNION VILLAGE, SURVEY NO. 181/1, 181/2, 181/3, 182/1, 183,184, & 221/1 OF AGARAMTHEN VILLAGE WITHIN THE LIMIT OF ST THOMAS MOUNT PANCHAYAT UNION



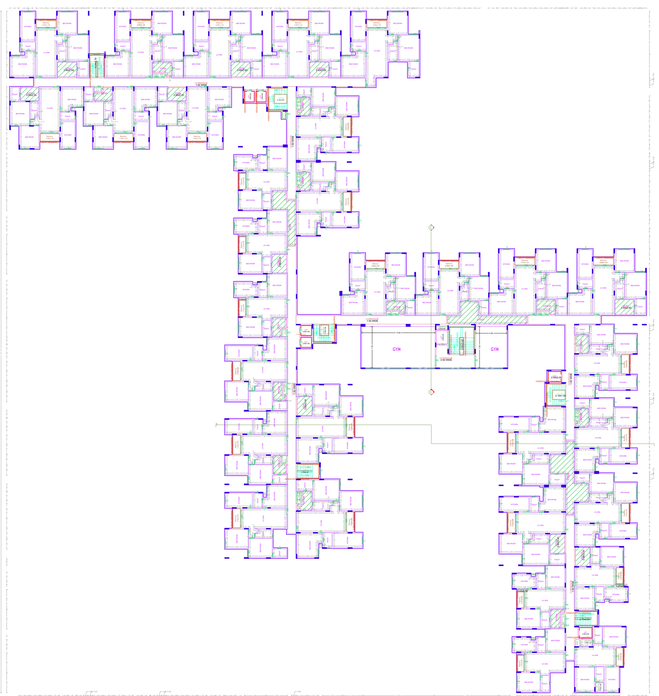
SECOND FLOOR PLAN

(SCALE 1:200)



THIRD FLOOR PLAN

(SCALE 1:200)



FOURTH FLOOR PLAN

(SCALE 1:200)

BLOCK-1

APPROVAL CONDITION

SCALE 1:100

CHENNAI METROPOLITAN DEVELOPMENT AUTHORITY

APPROVED

SUBJECT TO THE CONDITIONS MENTIONED IN THIS OFFICE

For Chief Planner / Chief Planner / Member Secretary
High Rise Building / Non High Rise Building
The Approval is valid only after Hosting Planning Permit Number in CMDA website

QR CODE

KEY NO. 8668

Applicants (Owner / Developer / Power of Attorney)

This is a system generated drawing as per the soft copy submitted by the Architect/ License Engineer

User/Definedimperial (90.00 x 50.00inches)

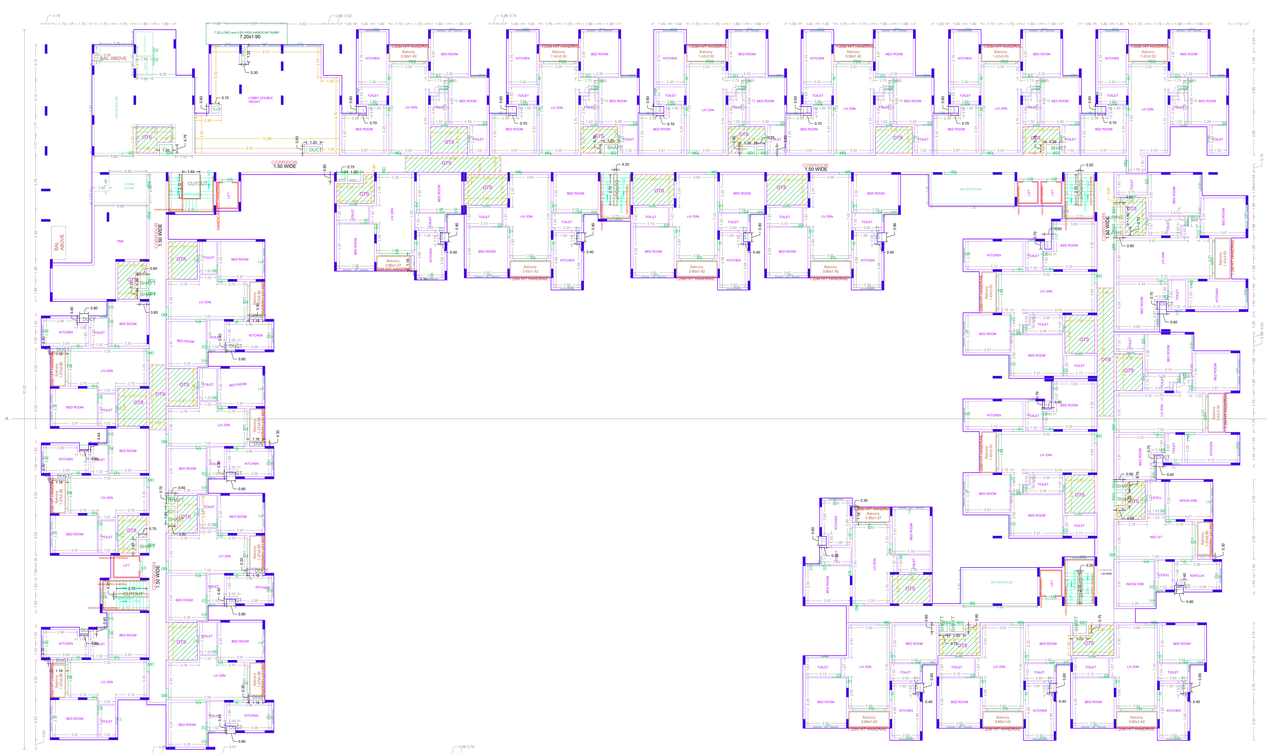
FLOOR NAME	SHEET NO. 4 / 8
FLOOR NAME	

PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT COMPRISING 2 BLOCKS WITH COMBINED BASEMENT + GROUND + 1ST TO 4TH FLOORS + 5TH FLOORS HEIGHT +G.5(M) RESIDENTIAL BUILDING WITH 160 DWELLING UNITS AND OPEN SWIMMING POOL AT GROUND FLOOR LEVEL, COMMUNITY HALL AT 1ST FLOOR LEVEL, INDOOR GAMES ROOM AT 1ST FLOOR AND 3RD FLOOR LEVEL, YOGA ROOM AT 2ND FLOOR LEVEL, GYM AT 4TH FLOOR LEVEL - BLOCK 2 CONSISTING OF BASEMENT + GROUND + 1ST TO 4TH FLOOR + 5TH (M) RESIDENTIAL BUILDING WITH 160 DWELLING UNITS, 1ST FLAT 552 DWELLING UNITS AVAILING PREMIUM FSI AT AGARAM MAIN ROAD, CHENNAI, S.S.NO.207/1A, 208/1A, 1B2B, 182/1, 181, 183/1, 183/2, 184/1, 184/2, 185/1, 185/2, 186/1, 186/2, 187/1, 187/2, 188/1, 188/2, 189/1, 189/2, 190/1, 190/2, 191/1, 191/2, 192/1, 192/2, 193/1, 193/2, 194/1, 194/2, 195/1, 195/2, 196/1, 196/2, 197/1, 197/2, 198/1, 198/2, 199/1, 199/2, 200/1, 200/2, 201/1, 201/2, 202/1, 202/2,

FLOOR NAME	SHEET NO. 5/6
FLOOR NAME	

PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT COMPRISING 2 BLOCKS WITH COMBINED HEIGHT OF (BLOCK 1 GROUND + 4 FLOORS) (BLOCK 2 GROUND + 6 FLOORS HEIGHT) (6 SNO RESIDENTIAL BUILDING WITH 182 DWELLING UNITS) AND OPEN SWIMMING POOL AT GROUND FLOOR LEVEL, CLUBHOUSE AT 1ST FLOOR LEVEL, INDOOR GAMES ROOM AT 1ST FLOOR AND 3RD FLOOR LEVEL, YOGA ROOM AT 2ND FLOOR LEVEL, GYM AT 4TH FLOOR LEVEL, BLOCK 2 (GROUND + 6 FLOORS HEIGHT) (1 SNO RESIDENTIAL BUILDING WITH 91 DWELLING UNITS) TOTALLY 182 DWELLING UNITS AVAILING PREMIUM FSI AT AGARAM, ST THOMAS MOUNT PANCHAYAT UNION, SURVEY NO.: 183, 184, 185(PART), 211-213, 214A, & 227 OF AGARAMTHEN VILLAGE WITHIN THE LIMIT OF ST THOMAS MOUNT PANCHAYAT UNION.

NORTH SIDE ELEVATION


7.20 LONG ANTI SKID RAMP SLOPE 1:12
7.20x1.50
LOWER DOUBLE HEIGHT
CUTOUT
LIFT
1.50 WIDE
CORRIDOR
METER ROOM
OPEN
BED ROOM
KITCHEN
TOILET
LIV./DIN.
Balcony 2.40x1.20
Balcony 3.60x1.20
Balcony 3.60x1.80
Balcony 1.42x0.50
Balcony 3.60x1.42
Balcony 3.60x1.42
Balcony 3.60x1.27
Balcony 3.60x1.42
Balcony 3.60x1.42
Balcony 3.60x1.42

FLOOR NAME	SHEET NO : 6/6
FLOOR Detail	

PLAN SHOWING THE PROPOSED CONSTRUCTION OF GROUP DEVELOPMENT COMPRISING 3 BLOCKS WITH COMMNED BASEMENT, BLOCK 1 CONSISTING OF GROUND FLOOR + 5 FLOORS WITH 30 DWELLING UNITS, BLOCK 2 CONSISTING OF 2 BASEMENT + GROUND FLOOR + 5 FLOORS WITH 30 DWELLING UNITS, BLOCK 3 CONSISTING OF 2 BASEMENT + GROUND FLOOR + 5 FLOORS WITH 30 DWELLING UNITS AND CLUB HOUSE AT GROUND FLOOR LEVEL, SWIMMING POOL AT GROUND FLOOR LEVEL, MATERNITY CENTRE AT GROUND FLOOR LEVEL, CRECHE AT GROUND FLOOR LEVEL, ADMINISTRATIVE BLOCK AT GROUND FLOOR LEVEL, ASSOCIATION ROOM AT GROUND FLOOR LEVEL, INDOOR GAMES AT GROUND FLOOR LEVEL, CONVENIENCE SHOP AT GROUND FLOOR LEVEL, OVERHEAD WATER TANK WITH PUMP ROOM AT 2ND FLOOR LEVEL, OVERLAY ATM FLOOR LEVEL, BLOCK 2 CONSISTING OF 2 BASEMENT + GROUND FLOOR + 5 FLOORS RESIDENTIAL BUILDING WITH 70 DWELLING UNITS, TOTALLY 190 DWELLING UNITS AND COMMON AMENITIES AT NO.1, MAIN ROAD, CHENNAI SURVEY NO.S. 519/2, 519/3, 519/4, 519/5, 519/6, 519/7, 519/8, 519/9, 519/10, 519/11, 519/12, 519/13, 519/14, 519/15, 519/16, 519/17, 519/18, 519/19, 519/20, 519/21, 519/22, 519/23, 519/24, 519/25, 519/26, 519/27, 519/28, 519/29, 519/30, 519/31, 519/32, 519/33, 519/34, 519/35, 519/36, 519/37, 519/38, 519/39, 519/40, 519/41,