F.A.R CALCULATION

FLOOR	B/U AREA
BASEMENT FLOOR	74.91 SQ. M
FERRY FLOOR	704.5 SQ. M
SECOND FLOOR	704.5 SQ. M
THIRD FLOOR	704.5 SQ. M
FOURTH FLOOR	704.9 SQ. M
TOTAL B/U AREA	2823.7 SQ. M

TOTAL AREA AS PER DEED = 1408.33 SQ.M

TOTAL PLOT AREA AS PER SITE = 1321.64 SQ. M

AREA LEFT FOR ROAD WIDENING = 184.70 SQM

NET PLOT AREA = **1136.94 SQM**

GRAND TOTAL B/U AREA = 2823.7 SQ. M

F.A.R = 2823.7 SQ. M / 1321.64 SQ. M = 2.21

SETBACK DETAILS

FOR RESIDENTIAL BUILDING BELOW 15 M IN HT.

AS PER BY-LAWS
(FOR AVERAGE DEPTH OF PLOT-MORE THAN 45 M)

FRONT SETBACK = 4.0 M.
REAR SETBACK = 4.0 M.
(FOR AVERAGE WIDTH OF PLOT-EXCEEDING 15 M & UPTO 21 M)
SIDE SETBACKS = 2.0 M

PROPOSED SETBACKS

FRONT SETBACK =6.0 M
REAR SETBACK = 4.5 M
& SIDE SETBACKS = 2.0 M

PARKING CALCULATION

15 % OF RESIDENTIAL B/U AREA = 0.15 X 2823.7
= 730.92 SQ. M

TOTAL REQUIRED PARKING AREA = 730.92 SQ. M.

TOTAL PROVIDED PARKING AREA ON GROUND FLOOR = 343.26 SQ. M.

GREEN AREA CALCULATION

REQUIRED GREEN AREA = 10% OF NET PLOT AREA
= 0.1 X 1136.94 = 113.69 SQ. M

PROVIDED GREEN AREA ON GROUND FLOOR = 136.45 SQ.M

SPECIFICATION

01) **FOUNDATION :-** R.C.C. PILE FOUNDATION AS/STRUCTURAL DESIGN.
02) **SUPER STRUCTURE :-** R.C.C. FRAMED STRUCTURE AS/STRUCTURAL DESIGN.
03) **BRICKWORK :-** 250 THK. & 125 THK. IST CLASS BRICK WORK.
04) **FLOORING :-** MOSAIC CAST-IN SITU FLOORING IN GREY CEMENT IN ALL AREA.
05) **WALL FINISH :-**
(i) INTERNAL :- ALL INTERNAL SURFACE SHALL BE PAINTED WITH CEMENT PRIMER OVER FLOAT FINISH OF P.O.P.
(ii) EXTERNAL :- ALL EXTERNAL SURFACE SHALL BE PAINTED WITH TEXTURE PAINT OVER A SURFACE OF EXTERIOR GRADE PRIMER.
06) **DOOR :-**
(i) FRAME :- 65X100 TH. SAL WOOD DOOR FRAME.
(ii) SHUTTER :- 35MM TH. SOLID CORE FLUSH DOOR OF I.S.I. MARK AS/DESIGN.
07) **WINDOW :-**
(i) FRAME :- 65X100 TH. SAL WOOD/ALUMINIUM WINDOW FRAME
(ii) SHUTTER :- FULLY GLAZED HARD WOOD/ALUMINIUM WINDOW SHUTTER AS/DESIGN.
08) **TOILETS :-**
(i) FLOORING :- CERAMIC TILES FLOORING.
(ii) WALLS :- CERAMIC TILES DADO UPTO 1500HT.
(iii) SANITARYWARE :- WHITE GLAZED VITEROUS SANITARYWARE OF I.S.I. MARK.
(iv) FITTING :- CHROMIUM PLATED C.P. FITTINGS OF I.S.I. MARK.
09) **ELECTRICAL :-**
(i) ALL INTERNAL WIRING IN CONCEALED CONDUITS WITH COPPER CONDUCTOR.
(ii) ALL ELECTRICAL MODULAR SWITCHES OF I.S.I. MARK.
(iii) ADEQUATE LIGHTING/POWER POINT SOCKETS AS/ DESIGN & DRAWING.
10) **WATER SUPPLY :-** BOUND THE CLOCK WATER SUPPLY BY MEANS OF OWN BORING & OVERHEAD TANK.

POPULATION DENSITY CALCULATION

RESIDENTIAL

NO. OF RESIDENTIAL FLATS ON 1ST - 4TH FLOOR
= 6 (EACH)

TOTAL NO. OF RESIDENTIAL FLATS ON ALL THE FLOORS
= 06 X 4 = 24 FLATS

CONSIDERING EACH FLAT HAVING 5 PERSONS

TOTAL NO. OF PERSONS OCCUPYING FLATS =
(24 X 5)
= 120 PERSONS

WATER TANK CALCULATION

ACCORDING TO N.B.C WATER REQUIREMENT FOR DIFFERENT OCCUPANCIES

TYPE OF OCCUPANCY	WATER REQUIREMENT
RESIDENTIAL	135 LTRS/ HEAD/ DAY

FOR RESIDENTIAL

TOTAL NO. OF PERSONS OCCUPYING FLATS = 120 PERSONS
TOTAL WATER REQUIREMENT = 120 X 135 = 16200 LTRS.

TOTAL WATER REQUIREMENT (RESIDENTIAL) = 16,200 LTRS.
FOR FIRE FIGHTING WATER TANK = 10,000 LTRS. (REQUIRED)

TOTAL WATER REQUIRED = 26,200 LTRS

PROVIDED WATER TANK OF SIZE = (4575 x3500x1000)+(3350x3225x1000)
= 16,012 + 10,803 =26,815 LTRS

SEPTIC TANK CALCULATION

TOTAL NO OF PERSONS ON ALL THE FLOORS
= 120

PERSON NEED 0.085 CUM. CAPACITY OF SEPTIC TANK

TOTAL PERSONS NEED = 120 X 0.085 = 10.2 CU. M (REQ.)

PROVIDED SEPTIC TANK OF SIZE
= 3.6 x 2.0 x 1.5 = 10.08 CU. M

RAINWATER HARVESTING SUMP CALCULATION

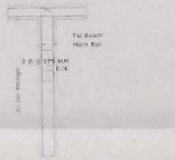
MAXIMUM TERRACE AREA = 768.94 SQ.M.
RAIN WATER HARVESTING SUMP REQUIRES
= 6 CU. M FOR EVERY 100 SQM. ROOF AREA

SO, TOTAL REQ. CAPACITY OF TANK = 768.94 X 0.06
=46.14 CU M.
PROVIDED RAINWATER SETTLEMENT TANK SIZE
= 7.25 X 3.2 X 2.0 = 46.4 CU M.

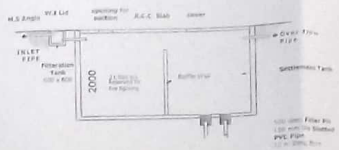
(21 CU.M RESERVED FOR FIRE FIGHTING)

FIRE FIGHTING LEGEND

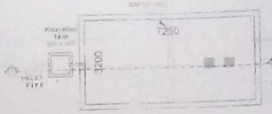
Symbol	Description
	Over Head Tank
G	Ground Tank
	Down Comer Pipe
S	Sprinkler
EXT	Fire Extinguisher
FD	Fire Hydrant
	Fire Alarm Point
	Terrace Tank - Capacity 46,000 ltrs
FP	Pump at Water Tank Well
FW	Siamese Connection for Fire Brigade (provided in Compound)
	Underground Water Tank (21,000 ltrs Reserved in Water Tank for Fire Fighting Only)



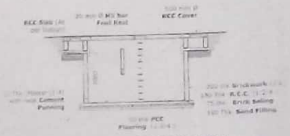
TYPICAL DETAIL OF PILE FOUNDATION



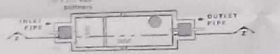
TYPICAL SECTION YY'



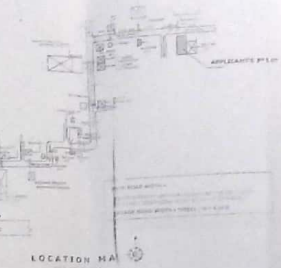
TYPICAL PLAN OF RAINWATER HARVESTING TANK

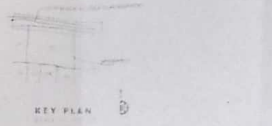


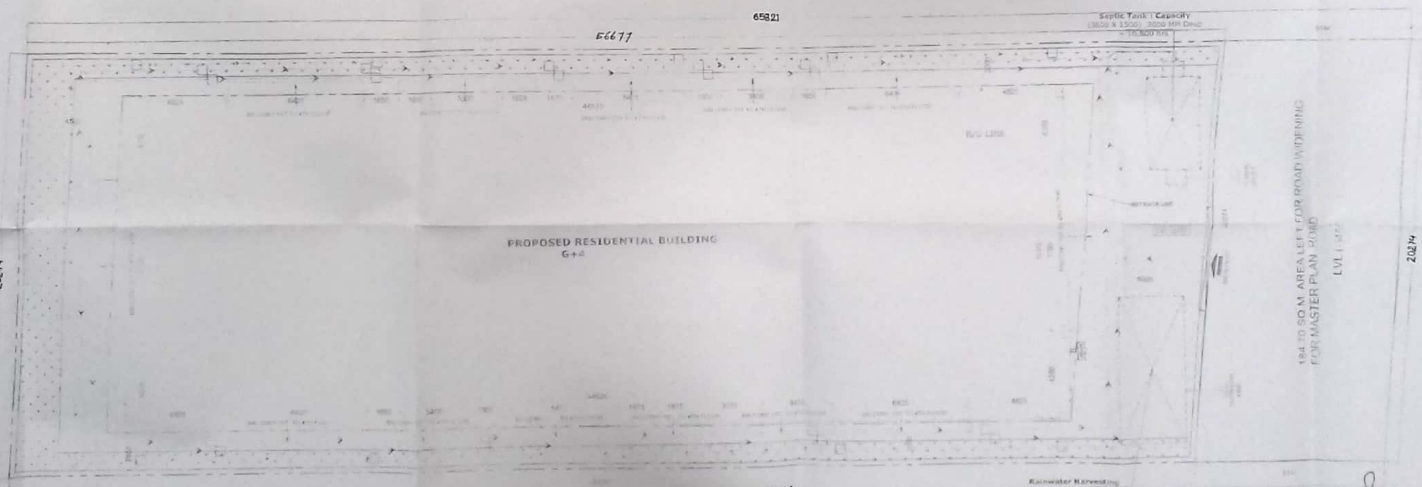
TYPICAL SECTION Z2'



TYPICAL PLAN OF SEPTIC TANK







SITE PLAN

RAKESH RANJAN RAJE
DHARJEE REG No. GHMC/SO/HPO/R
C.O.A. REG No. - CAR/6/2005

LEGEND

NAME OF THE PROJECT
PROPOSED RESIDENTIAL BUILDING FOR :-
M/S DEVSHREE INFRATECH PVT LTD.
"DEVSHREE NEST"

NAME OF OWNER & ADDRESS
M/S DEVSHREE INFRATECH PVT LTD.

PLOT DETAIL

BOUNDARY
NORTH :-
SOUTH :-
EAST :-
WEST :-

SHEET NO.	NORTH	SCALE
01/01		1:500

DEVSHREE INFRATECH PVT. LTD.
DIRECTOR
SIGNATURE OF OWNER

Divisional Engineer
LICENCE No. 14/2016 (C) (S) (WATER)
NAGAR PANCHAYAT DAMARGIDDA NIZAMAT
DAMARGIDDA

RAKESH RANJAN RAJE
Dharjee Reg. No. GHMC/SO/HPO/R
C.O.A. REG No. - CAR/6/2005

Building Plan No. 300/18-19

Raje's Petitions
J. E.
Nagar Panchayat Damargidda Nizamat

A. E.
Nagar Panchayat Damargidda Nizamat

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