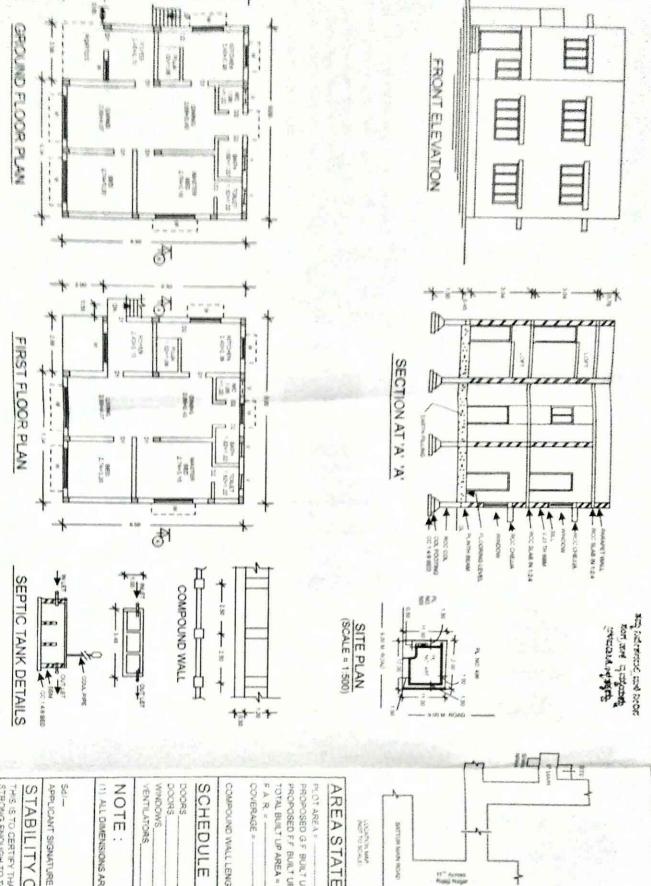
Scalection of Site for Building:> - fullfil the scope & purpose of Building. -> Selected in July developed or which is fast ingrowth -) for pleasount living cond", neighborhood which has equal status. -) facilities must be available at the site location. like, water, power, gas, drainage et. -) nearby facilities -> hospital, school, Rood, Police station, shopping, trems port facilities. -> Site should be selected of such place which comes under the by-lows of local authority. -> Soil should have good quality characterstics. -> Site for residential building ment be away from industries -) The site should be located on comparatively elevated Place, so at to ensure proper and quick drainage.



92, 93, 96, 97, 81 : 2, 82 : 1 & 78 AT SATTUR HUDCO LAYOUT, DHARWAD R.S. NO./BL NO. 100, 101, 102, 105, 106, 107, 108, 109Y, 87, 84, 88, 89: 2, PROPOSED RESIDENTIAL BUILDING FOR MR. L.V. JOSHI, IN PLOT NO. 495

# H. H. 活意。 EALE = 1.100

MOLLED SOM'S SKITTUR MANN ROAD dated winds absent (all) THE STATE OF THE PARTY OF THE P ತರಣ ಪ್ರಮುಣ ಕತ್ರ SCHOOL SECTION

AREA STATEMENT

COVERAGE : FARE PLOT AREA : COMPOUND WALL LENGTH : PROPOSED F.F. BUILT UP AREA = PROPOSED G.F. BUILT UP AREA # TOTAL BUILT UP AREA = 52,73% 142.36 SQM 23.00 RMTS 135 00 SQM 71 18 SQM 1.0 8 71.18 SOM

SCHEDULE OF OPENINGS

VENTILATORS 2 0 袋 0.90 × 2.10 150×126 0.75 × 0.60 0.75 × 2.10

NOTE:

(1) ALL DIMENSIONS ARE SHOWN IN METERS

STABILITY CERTIFICATE

THIS IS TO CERTIFY THAT THE FOUNDATIONS ARE DESIGNED STRONG ENOUGH TO TAKE THE LOAD OF GROUND & FIRST FLOOR. THE OVERALL STRUCTURE WILL BE SOUND AND SAFE

ENGINEER

SANJAY PATIL
CONSULTING ENGINEER
SHRI SHAKI KEMPAGERI
LINE BAZAR DHARWAD

Diate 0 1

Type of Building 3 -> 1. Residential Building - include one or two private dwellings, apartment, dormitories hotels etc. 2. Educational Building > School & College University for education purpose. 3. Institutional Building - Institutional building ordinary provide sleeping accommodation for the occupants. -> 9t 9m cludes hospitals, sanatoria, nursing homes, orphanages, Joils, mental hospitals, reformatories etc. 4. Assembly Buildings -> group of people gather for amusement, recreation, social, religious etc.

39 9mcluder. Theaters, halls, auditoria, museum,
dance halls otr dance halls etc. 5. Business Building > Building which is used for transaction of business for the keeping of accounts & records for similar purpose. 6. Mer cantile Building: > Include shop, store market for display and sale of merchandise either usholesale or retail.

I Industrial Building = I In this building product or material of all kinds are assembled, fabricated of processed.

Even I refineries gers plants, mills, dairies, Industrycke De Storage Building & Dike Cold Storage, warehouse freight department transit shed etc. 9. Hazardour Building : , used for highly combustible emplosive material. > Plinth Area 3 + Plinth area shall mean the built up gred covered uncorrered at the floor level of the bosement or of any storcy. - usually 10 to 20% more than the corpet doea Area Include - internal & external walf -> Entire Carpet area Area not In cluded -> -) lobbies, gette way etc. of Area of loft The area available for use within an - Terrace opartment excluding the area occupied by the walls. -> Carpet Area 0 > Area 9m cludy 00 -) All Rooms - living Room, bed rooms dining room, etc. -> Kitchen & Bathrooms (Door) -> Stores & Balconies (Intermediate Pillar) Areas Not In cluded -s -> enternal & goternal wall -) Bothroom, Kitchen, Store, Canteen etc.

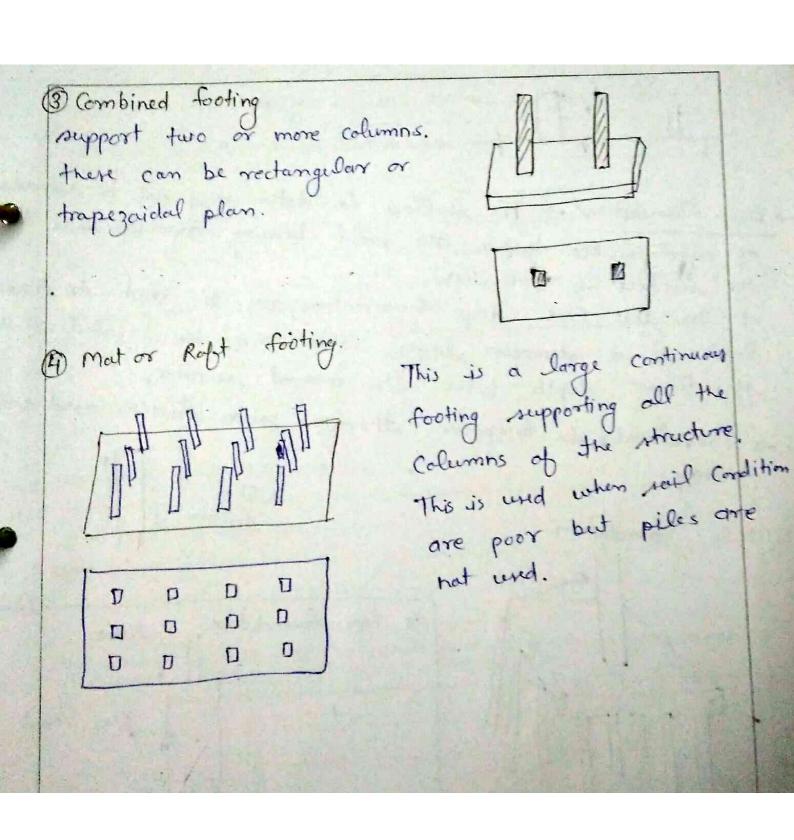
(中国) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1
Campus:
> floor Space Inden (floor area Ratio): > 9 tis the
ratio abtained by dividing statal covered area of all
reutio abtained by dividing total covered area of all the floors with the area of the plot.
ECT = E Covered Area of Plat
Area of Plot
> Building By low & > Building by low are the rule
Building By low & > Building by low are the rule  & regulation set forth by the concerned government
authority and applated time to time.
The building by law should be found to construct
authority and applated time to time.  The building by law should be followed strictly by any person or organization that plan to construct by building.
a building. Building by low helps in making a planned
Believing 1
development.  The by lows govern the following aspects:  The by lows govern the following aspects:
The by lows of
(1) Line of building frontage  (1) Line of building frontage
(2) built up area of building and their hights.
(2) built up area of building and their hights.  (3) Open space around building and their hights.
(4) Provision of size, height & ventilaction of rooms
(4) Provision of 103
and apartments.
(5) Water supply & sunitary provisions
(6) Structural durign or size & sections.

Concept of sun light & Ventilections-Good sun light or day lighting is not document of light but sufficient light which is free from glare and it should come from the right direction.

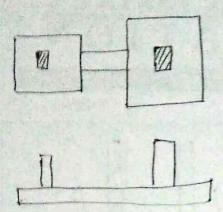
Crood day lighting is essential in many ways: O To create a pleasing and healthy environment. 1 To promote the activities carried in building like fectory etc. 3 To ensure the rotety of people inside the building. ) Good lighting is achieved by providing windows in reguire ment of the room. Ventilation : > Ventilation is referred as the supply of out side air into a building through windows or other opening due to wind outside and convection effects aming from demperature or vapours pressure difference or both between inside of out side of the building. Ventilection of a building is essential because of vorious functional require ments, O lo create air movements 1 To maintain Conditions suitable to the contents of the 3) To prevent undue concentration of body odows, fumes, dust, bacteria, coz, moisture etc. 1 To remove the product of Combustion, body heat and heat diberated from the operation of cortain equipments > Natural Ventilation is provided through window & arrhitect ventilation is provided by fan etc.

3 Basic Concept of R.C.C. RCC = con Coment + Sound + Aggregate + Reinforcement = Concrete + Reinforcoment Concrete give better Result in Compression but When Cement. -> Composite material of concrete of steel is called RCC [R.C.C. > Reinforced Coment Concrete.], Advantage of R.C.C. -> 9+ is good fire resistant -> Ourability is very good -> R.C.C structure can be designed to taker any lood. Use of R.C.C. electric pole - footing Towers - Column Roads y Beam Airports. - stoir + Atomic plant -) Roof -) Sleeb -) Water Jank - Dams - Bridges. - Retaining Wall Docks & harbour Raplway sleeper

Foundations: > foundation is the lowest part of a building which is below the service of the surrounding ground. - 9 gtrs direct contact with soil serrface of trans mit all the cloads to the soil beneath. Types of Loting : > foundation : > foundation System Deep frindation Shallow foundation Pile feundation Pier foundati Roft or mat Combined footing. Isolated spread footing well footings Contilever or Strap footing -> Shallow foundation -> O Isolated spread footings under individual Column. These can be square, rectangular, or circular D Wall footing & is a continuous slab strip along the length of wall. 



2. Cantillaver or Strap footing => These are similar to Combined footing, except that the footing under Column are built independently and are joined by strop beam.



Deep foundation -> The shallow foundation may not be economical or even possible when the sail bearing capacity near the surface to a low of this Core deep foundation are to used to transfer

loads to a stronger layer, which may be located out a significant depth below the ground surface.

-) The lood is transfer through skin friction and end

beginning.

(1) Pile foundation

