

SQM

(S.F AREA-LIFT AREA)

(599.10+29.14)

MUMTY COVD. AREA

= 51.19 SQ.M.(22.05+29.14)

LIFT ROOM COVD. AREA

= 6.91 SQ.M.

TOTAL COVERED AREA

= 1862.96 SQ.M.

(FOR F.A.R CALCULATIONS)

= 2073.22 SQ.M.

TOTAL COVERED AREA

(FOR FEE CALCULATIONS)

GROUND COVERAGE

= 44.56%

F.A.R

= 1.35

ELECTRICAL LOAD REQUIREMENT:-

= 100 KVA

TITLE :-

PROPOSED FACTORY BUILDING PLAN FOR
M/S U. S. METAL PRODUCTS AT PLOT NO. 79A,
SECTOR 05, SIDCUL, IIE, HARIDWAR.

SIGN. OF THE APPLICANT

SIGN.OF THE ARCHITECT



Ar. Vishal Singh Pundir
CoA/2000/26319

ARCHITECT & ENGINEERS :-

SHILANYAS CONSULTANTS

SHOP NO.3, 2ND FLOOR, CITY COMPLEX

CHANDRACHARYA CHOWK, HARIDWAR.

PH. 01334-327518(0) ,09319023775(mo.)

IN THE BUILDING DESIGNS.

04. THE DESIGN HAS BEEN PREPARED AS PER THE INSTRUCTIONS GIVEN BY THE OWNER.
05. THE OWNER HAS UNDERSTOOD THE DRAWINGS AND THE DESIGN AND HAS CONFIRMED THE
06. ARCHECT'S RESPONSIBILITIES ARE LIMITED TO PREPARE THE DESIGN/DRAWING FOR THE SANCTIONING
PURPOSES ONLY. ARCHITECT SHALL NOT IN ANY CASE BE CONSIDERED RESPONSIBLE FOR ANY DEVIATION
FROM THE DRAWINGS DURING OR AFTER THE CONSTRUCTION.
07. ADEQUATE PROVISIONS FOR THE RAIN WATER HARVESTING AND PLANTATION SHALL BE MAINTAINED IN
ARCHITECT TO SUBMIT THE DRAWINGS AND THE DESIGN TO THE CONCERNED AUTHORITY.
THE OPEN AREAS THUS SHOWN IN THE DRAWINGS.

AREA STATEMENT:-

TOTAL PLOT AREA	= 1380.78 SQ.M.
BASEMENT COVD. AREA	= 85.26 SQ.M.
MAIN BUILDING AREA	
GROUND FLOOR COVD. AREA	
MAIN BUILDING AREA	= 599.16 SQ.M.
GAURD ROOM AREA	= 7.20 SQ.M. (4.0MX1.8M)
METER ROOM AREA	= 9.00 SQ.M. (3.0MX3.0M)
TOTAL GROUND FLOOR COVD. AREA	= 615.36 SQ.M.
SERVICE FLOOR COVD. AREA	= 125.00 SQ.M.
FIRST FLOOR COVD. AREA (F.F AREA-LIFT AREA)	= 594.75 SQ.M. (599.16-4.41)
SECOND FLOOR COVD. AREA (S.F AREA-LIFT AREA)	= 594.75 SQ.M. (599.16-4.41)
MUMTY COVD. AREA	= 51.19 SQ.M. (22.05+29.14)
LIFT ROOM COVD. AREA	= 6.91 SQ.M.
TOTAL COVERED AREA (FOR F.A.R CALCULATIONS)	= 1862.96 SQ.M.
TOTAL COVERED AREA (FOR FEE CALCULATIONS)	= 2073.22 SQ.M.
GROUND COVERAGE	= 44.56%
F.A.R	= 1.35

ELECTRICAL LOAD REQUIREMENT:-

= 100 KVA

NT SHALL BE GENTRATED
ES DURING PRODUCTION
PROVIDED

SYMBOLS AND LEGENDS :-
FIRE HOSE
FIRE EXTINGUISHER
SEWERAGE LINE
WATER SUPPLY LINE
FIRE SAFETY WATER
SUPPLY LINE
PLANTATION AREA
DRAIN
TREE

F.H
F.E +

SPACE FOR APPROVING AUTHORITY :-

LOADING/UNLOADING AREA CALCULATIONS :-

= Total Covd. Area - $200/1000 \times 18$
= $(1862.96 - 200)/1000 \times 18$
= 29.93 sq. m.

PROVIDED LOADING/UNLOADING AREA IN DRAWING :

= 30.59sq.m > 29.93sq m.

PARKING AREA CALCULATIONS :-

PARKING AREA REQUIRED AS PER SIDCUL NORMS

= $1862.96/80 \times 0.50 \times 18$ sq. m.
= 209.58 sq. m.

PROVIDED PARKING IN DRAWING :

= 213.70 sq. m. > 209.58 sq. m.

WATER HARVESTING PIT CAPACITY CALCULATIONS :-

PIT CAPACITY REQUIRED AS PER SIDCUL NORMS

= (GROUND FLOOR COVERAGE - 225) / 50×5 cum + 20 cum
= $(615.36 - 225) / 50 \times 5$ cum + 20 cum
= 59.04 cum

PROVIDED PIT CAPACITY = 60 CU. M.

(AS SHOWN IN DRAWING)

LANDSCAPE AREA CALCULATIONS :-

LANDSCAPE AREA REQUIRED AS PER SIDCUL NORMS

= (total plot area - ground floor covd. area)
= $(1380.78 - 615.36)$ SQ. M.

= 765.42 sq. m.

AS PER SIDCUL NORMS FOR EVERY 10 SQ. M.

LANDSCAPE AREA NO. OF TREE PROVIDED SHALL BE = 1 NO.

THUS FOR THIS SITE NO. OF TREES SHALL BE

= $765.42/80 = 9.56$ I.E 10 TREES (AS SHOWN IN DRAWING)

PLANTATION AREA CALCULATIONS :-

PLANTATION AREA REQUIRED AS PER SIDCUL NORMS

= 25 % OF AREA UNDER SETBACKS

= 25 % OF $(7.5m \times 46.40m + 5.5m \times 42.80m + 4.5m \times 2.6m + 3m \times 32.50m)$

= 172.46 sq. m.

PROVIDED PLANTATION = 175.16 SQ. M. > 172.46 SQ. M.

(AS SHOWN IN DRAWING)

A = $34.532M \times 4.405M = 152.11$ SQM

B = $(20.782M \times 16.860M)/2 = 175.19$ SQM

C = $2.35M \times 16.86M = 39.62$ SQM

D = $2.4M \times 19.157M = 45.976$ SQM

E = $9M \times 20.695M = 186.225$ SQM

TOTAL = 599.16 SQM

SPECIFICATIONS :-

01. CEMENT CONCRETE IN FOUNDATION SHALL BE IN 1:4:8 RATIO OF CEMENT, SAND, & AGGREGATE
02. FIRST CLASS BRICK WORK IN FOUNDATION SHALL BE CARROED IN 1:3 CEMENT SAND MORTAR
03. 45 MM THICK D.P.C. SHALL BE PROVIDED AT THE PLINTH LEVEL IN CEMENT CONCRETE IN 1:2:2
04. FIRST CLASS BRICK WORK SHALL BE PROVIDED IN SUPERSTRUCTURE IN 1:3 CEMENT SAND MORTAR
05. RATION OF CEMENT SHALL BE APPROPRIATE
06. CEMENT SAND PLASTER SHALL BE SPREAD IN 1:3 RATIO OVER THE BRICK WALLS CEMENT SAND PLASTER IN 1:4 RATIO SHALL BE SPREAD OVER THE CEILING
07. DOOR/WINDOW FRAMES SHALL BE PROVIDED IN BRICK SAIL WOOD AND / OR WILD STEEL SYSTEM AND / OR ALUMINIUM AS PER THE DESIGN
08. CONVEYER C.I., G.I., S.W. I.C.C., S.S., PIPES SHALL BE USED FOR THE PURPOSE OF WATER SUPPLY AND WASTE WATER DISPOSAL WITH APPROVED FITTINGS AS PER THE I.S.I. NORMS
09. G.I., S.S., PIPES SHALL BE PROVIDED WITH APPROVED FITTINGS
10. ELECTRICAL FITTINGS SHALL BE CARROED THRO' CONCEALED COCKETS WITH APPROVED FITTINGS AS PER THE I.S.I. NORMS

NOTES :-

01. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED
02. THE DRAWINGS HAVE BEEN PREPARED AS PER THE BUILDING BYE LAWS LAID BY THE CONCERNED DEVELOPMENT AUTHORITY
03. PROVISIONS REGARDING THE EARTHQUAKE RESISTENT DESIGN HAVE BEEN INCORPORATED IN THE BUILDING DESIGN
04. THE DESIGN HAS BEEN PREPARED AS PER THE INSTRUCTIONS GIVEN BY THE OWNER
05. THE OWNER HAS UNDERSTOOD THE DRAWINGS AND THE DESIGN AND HAS CONFIRMED THE ARCHITECT'S RESPONSIBILITIES ARE LIMITED TO PREPARE THE DESIGN/DRAWING FOR THE SANCTIONING PURPOSES ONLY. ARCHITECT SHALL NOT IN ANY CASE BE CONSIDERED RESPONSIBLE FOR ANY DEVIATION FROM THE DRAWINGS DURING OR AFTER THE CONSTRUCTION
06. ADEQUATE PROVISIONS FOR THE RAIN WATER HARVESTING AND PLANTATION SHALL BE MAINTAINED IN ACCORDANCE TO THE DRAWINGS AND THE DESIGN TO THE CONCERNED AUTHORITY THE GREEN AREAS THUS SHOWN IN THE DRAWINGS

AREA STATEMENT :-

TOTAL PLOT AREA	= 1380.78 SQ. M
BASEMENT COVD. AREA	= 65.26 SQ. M
MAIN BUILDING AREA	
GROUND FLOOR COVD. AREA	
MAIN BUILDING AREA	= 599.16 SQ. M
GAUD ROOM AREA	= 7.20 SQ. M (4 DMX1.8M)
METER ROOM AREA	= 9.00 SQ. M (3 DMX3 DM)
TOTAL GROUND FLOOR COVD. AREA	= 615.36 SQ. M
SERVICE FLOOR COVD. AREA	= 125.00 SQ. M
FIRST FLOOR COVD. AREA	= 594.75 SQ. M
(F.F AREA-LIFT AREA)	(599.16-4.41)
SECOND FLOOR COVD. AREA	= 594.75 SQ. M
(S.F AREA-LIFT AREA)	(599.16-4.41)
MUMTY COVD. AREA	= 51.19 SQ. M (22.05+29.14)
LIFT ROOM COVD. AREA	= 0.91 SQ. M
TOTAL COVERED AREA (FOR F.A.R CALCULATIONS)	= 1862.98 SQ. M
TOTAL COVERED AREA (FOR F.E CALCULATIONS)	= 2073.22 SQ. M
GROUND COVERAGE	= 44.56%
F.A.R	= 1.35

ELECTRICAL LOAD REQUIREMENT :-

= 100 KVA

TITLE :-

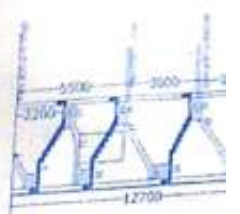
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SECTOR 05, SIDCUL, IIE, HARIDWAR.

SIGN. OF THE APPLICANT

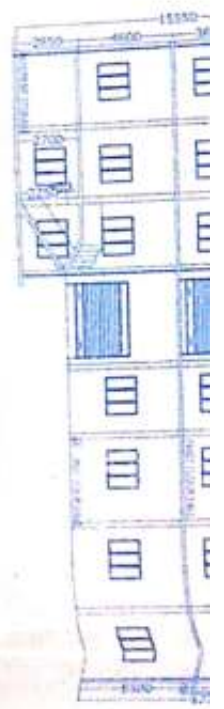
SIGN. OF THE ARCHITECT



BASEMENT PLAN
SCALE - 1:200



STAIR SECTION
SCALE - 1:200



SECTION YY'
SCALE - 1:200

TERRACE/MUMTY FAN

SCALE - 1:200



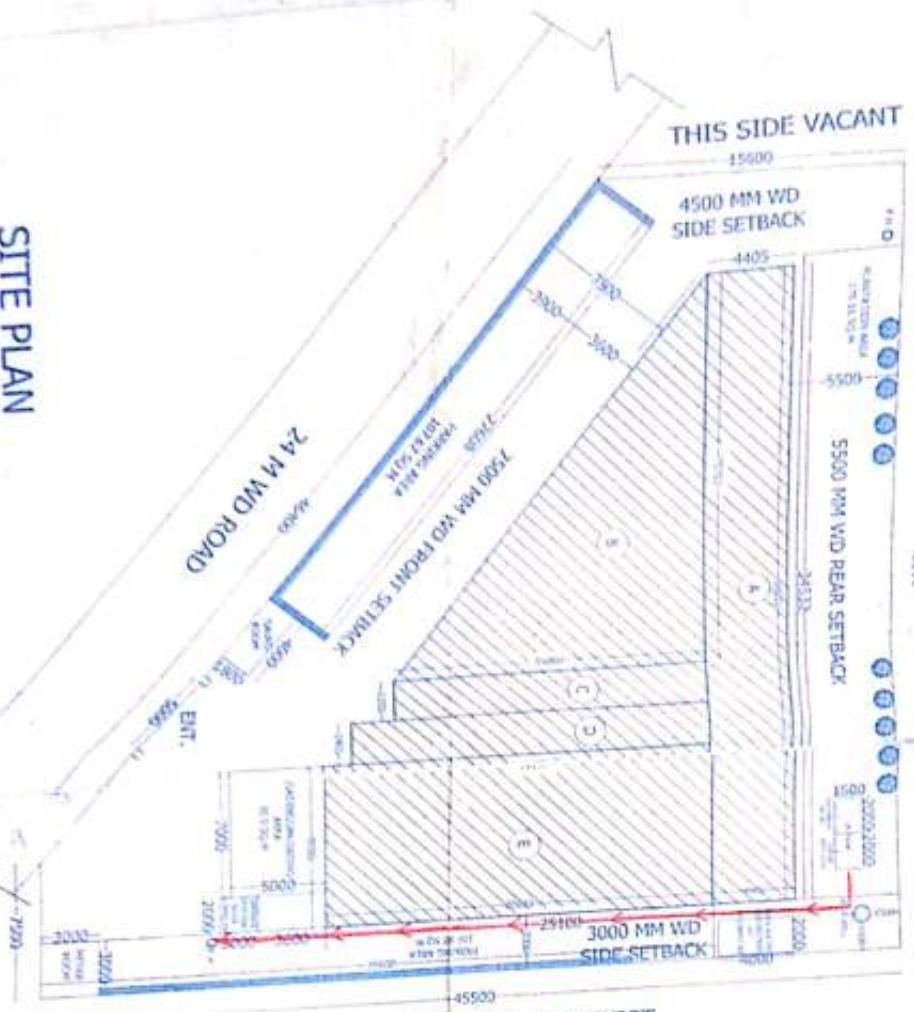
SEC

THIS SIDE PART PORTION 77, 78, 79 EXIST

THIS SIDE VACANT

SITE PLAN

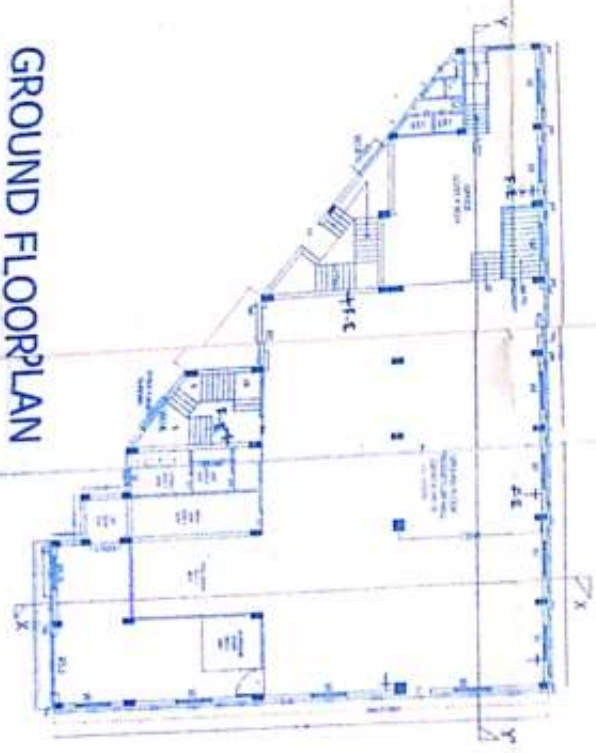
SCALE - 1:200



THIS SIDE PLOT NO. F5 EXIST

GROUND FLOOR PLAN

SCALE - 1:200



S

SEPTIC TANK

SCALE - 1:200

PLAN

SECOND FLOOR PLAN

SCALE - 1:200

PLAN

SERVICE FLOOR PLAN

SCALE - 1:200

FIRST FLOOR PLAN

SCALE - 1:200

PROVIDED PFT CAPACITY = 60 CU. M.
(AS SHOWN IN DRAWING.)

LANDSCAPE AREA CALCULATIONS :-

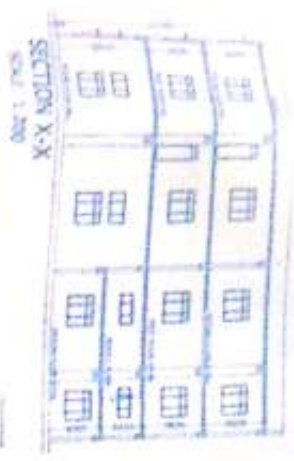
LANDSCAPE AREA BE COVERED AS PER SDOCL. NORMS
= (Total plot area - ground floor covd. area)
= (1250.75 - 615.35) SQ. M.
= 765.42 sq. m.

AS PER SDOCL. NORMS FOR EVERY 10 SQ. M.
LANDSCAPE AREA NO. OF TREES PROVIDED SHALL BE = 1 NO.
THUS FOR THIS SITE NO. OF TREES SHALL BE
= 765.42/10 = 76.54 (AS SHOWN IN DRAWING.)

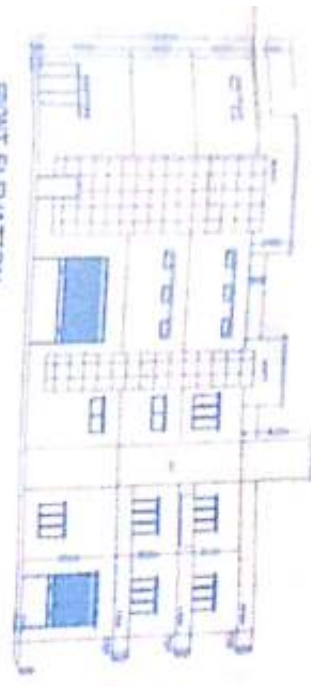
PLANTATION AREA CALCULATIONS :-

PLANTATION AREA BE REQUIRED AS PER SDOCL. NORMS,
= 25 % OF AREA UNDER SET BACK
= 25 % OF (7.5m x 60m) = 937.50 SQ. M.
PROVIDED PLANTATION = 175.16 SQ. M. > 937.50 SQ. M.
(AS SHOWN IN DRAWING.)

A = 34.532M X 4.405M = 152.11 SQM
B = (20.782M X 16.860M)/2 = 175.19 SQM
C = 2.35M X 16.86M = 39.62 SQM
D = 2.4M X 19.157M = 45.976 SQM
E = 9M X 20.695 M = 186.225 SQM
TOTAL = 599.16 SQM



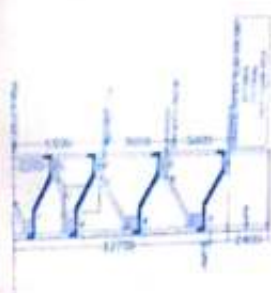
SECTION X-X
SCALE: 1:200



FRONT ELEVATION
SCALE: 1:200



BASEMENT PLAN
SCALE: 1:200



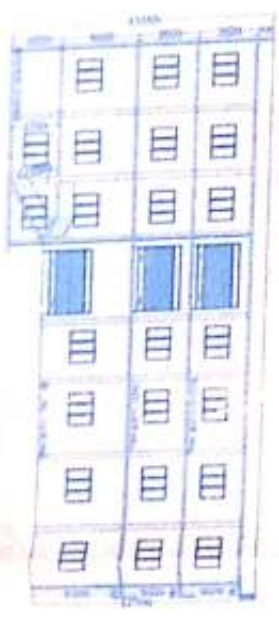
STAIR SECTION
SCALE: 1:200



THIS SIDE PART PORTION 77, 78, 79 EXIST



TERRACE/MUMTY PAN
SCALE: 1:200



PLAN OF OTHER SIDES BOUNDARY WALL
SCALE: 1:500



ELEVATION OF OTHER SIDES BOUNDARY WALL
SCALE: 1:500



SECTION 80'
SCALE: 1:50



SECTION A-A'
SCALE: 1:50



ELEVATION OF FRONT BOUNDARY WALL
SCALE: 1:500



ELEVATION OF FRONT BOUNDARY WALL
SCALE: 1:500



SEPTIC TANK
SCALE: 1:50

OPENING SCHEDULE			
S.NO.	NAME	SIZE	REMARKS
1.	W	200X	
2.	D	150X	
3.	D1	180X	
4.	D2	120X	
5.	V	75X3	
6.	FS1	400X	

SECOND FLOOR
SCALE: 1:200