

TOTAL COVD AREA=767.12 SQ.MT

GROUND COVERAGE = 59.05 % < 60%

F.A.R = 0.85 < 1.60

ELECTRICAL LOAD REQUIREMENT:

= 25 KW

TITLE :-

**DRAWING FOR FACTORY BUILDING OF M/S
U.S. METAL PRODUCTS AT PLOT NO. 79,
SECTOR -5, SITUATED IN INDUSTRIAL
ESTATE IIE, SIDCUL HARIDWAR.**

SIGN. OF THE APPLICANT

SIGN OF THE ARCHITECT


Ar. VISHAL SINGH PUNDIR
B. Arch MoCA
CA/2000/26319

ARCHITECT & ENGINEERS :-

SHILANYAS CONSULTANTS

**SHOP NO.3 ,2ND FLOOR ,CITY COMPLEX
CHANDRACHARYA CHOWK , HARIDWAR.**

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

- AND WASTE WATER DISPOSAL WITH APPROVED FITTINGS AS PER THE I.S.I. NORMS.
08. G.I., S.S., PIPES SHALL BE PROVIDED WITH APPROVED FITTINGS.
09. ELECTRICAL FITTINGS SHALL BE CARRIED THRO' CONCEALED CONDUITS 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 DEVELOPEMENT AUTHORITY.
03. PROVISIONS REGARDING THE EARTHQUAKE RESISTENT DESIGN HAVE BEEN INCORPORATED 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 THUS 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 = 900 SQ.MT (20.0 M.X45.0 M.)

G.FLOOR COVD AREA=525.76 SQ.MT (15.5 M.X33.92 M.)

GUARD ROOM COVD AREA=5.76 SQ.MT

~~TOTAL G.FLOOR COVD AREA=531.52 SQ.MT~~

MEZZANINE FLOOR COVD AREA=235.6 SQ.MT

TOTAL COVD AREA=767.12 SQ.MT

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WATER HARVESTING PIT CAPACITY CALCULATIONS :-

PIT CAPACITY REQUIRED AS PER SIDCUL NORMS

$$= (\text{GROUND FLOOR COVERAGE} - 225) / 50 \times 5 \text{ cum} + 20 \text{ cum}$$

$$= (531.52 - 225) / 50 \times 5 \text{ cum} + 20 \text{ cum}$$

$$= 50.65 \text{ cum}$$

PROVIDED PIT CAPACITY = 54 CU. M.
(AS SHOWN IN DRAWING)

PLANTATION AREA CALCULATIONS :-

PLANTATION AREA REQUIRED AS PER SIDCUL NORMS

= 25 % OF AREA UNDER SETBACKS

$$= 25 \% \text{ OF } (5\text{m} \times 20.0\text{m} + 3\text{m} \times 20.0\text{m} + 3\text{m} \times 37\text{m} + 1.5\text{m} \times 37\text{m})$$

$$= 81.62 \text{ sq. m.}$$

PROVIDED PLANTATION = 82.4 SQ. M. > 81.26 SQ. M.
(AS SHOWN IN DRAWING)

PARKING AREA CALCULATIONS :-

PARKING AREA REQUIRED AS PER SIDCUL NORMS

$$= 767.12 / 80 \times 0.50 \times 18 \text{ sq. m.}$$

$$= 86.3 \text{ sq. m.}$$

PROVIDED PARKING IN DRAWING :

$$= 89.7 \text{ sq. m.} > 86.3 \text{ sq. m.}$$

LOADING/UNLOADING AREA CALCULATIONS :-

$$= \text{Total Covd. Area} - 200/1000 \times 18$$

$$= 767.12 - 200/1000 \times 18$$

$$= 10.20 \text{ sq. m.}$$

PROVIDED LOADING/UNLOADING AREA IN DRAWING :

$$= 18 \text{ sq. m.} > 10.20 \text{ sq. m.}$$

LANDSCAPE AREA CALCULATIONS :-

LANDSCAPE AREA REQUIRED AS PER SIDCUL NORMS

$$= (\text{total plot area} - \text{ground floor covd. area})$$

$$= (900 - 531.52) \text{ SQ. M.}$$

$$= 368.48 \text{ sq. m.}$$

AS PER SIDCUL NORMS FOR EVERY 80 SQ. M.

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

THUS FOR THIS SITE NO. OF TREES SHALL BE

$$= 368.48 / 80 = 4.6 \text{ I.E. 5 TREES (AS SHOWN IN DRAWING)}$$

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SPACE FOR APPROVING AUTHORITY :-

SPECIFICATIONS :-

01. CEMENT CONCRETE IN FOUNDATION SHALL BE IN 1:4:6 RATIO OF CEMENT, SAND, & AGGREGATE
02. FIRST CLASS BRICK WORK IN FOUNDATION SHALL BE CARRIED IN 1:6 CEMENT, SAND MORTAR
03. 40 M.M. THICK D.P.C. SHALL BE PROVIDED AT THE PLINTH LEVEL IN CEMENT CONCRETE IN 1:2:1
04. FIRST CLASS BRICK WORK SHALL BE PROVIDED IN SUPERSTRUCTURE IN 1:5 CEMENT, SAND MORTAR
05. CEMENT, SAND PLASTER SHALL BE CARRIED IN 1:5 MIX OVER THE WALL WHILE CEMENT, SAND PLASTER IN 1:4 MIX SHALL BE CARRIED OVER THE CEILING.
06. DOORS/WINDOW FRAMES SHALL BE PROVIDED IN INDIAL SAL WOOD AND / OR MILD STEEL SECTION AND / OR ALUMINIUM AS PER THE DESIGN.
07. CONCEALED C.I., G.I., S.W., S.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.
08. G.I., S.S., PIPES SHALL BE PROVIDED WITH APPROVED FITTINGS.
09. ELECTRICAL FITTINGS SHALL BE CARRIED THRO' CONCEALED CONDUITS WITH APPROVED FITTINGS AS PER THE I.S.I. NORMS.

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F.A.R = 0.85 < 1.60

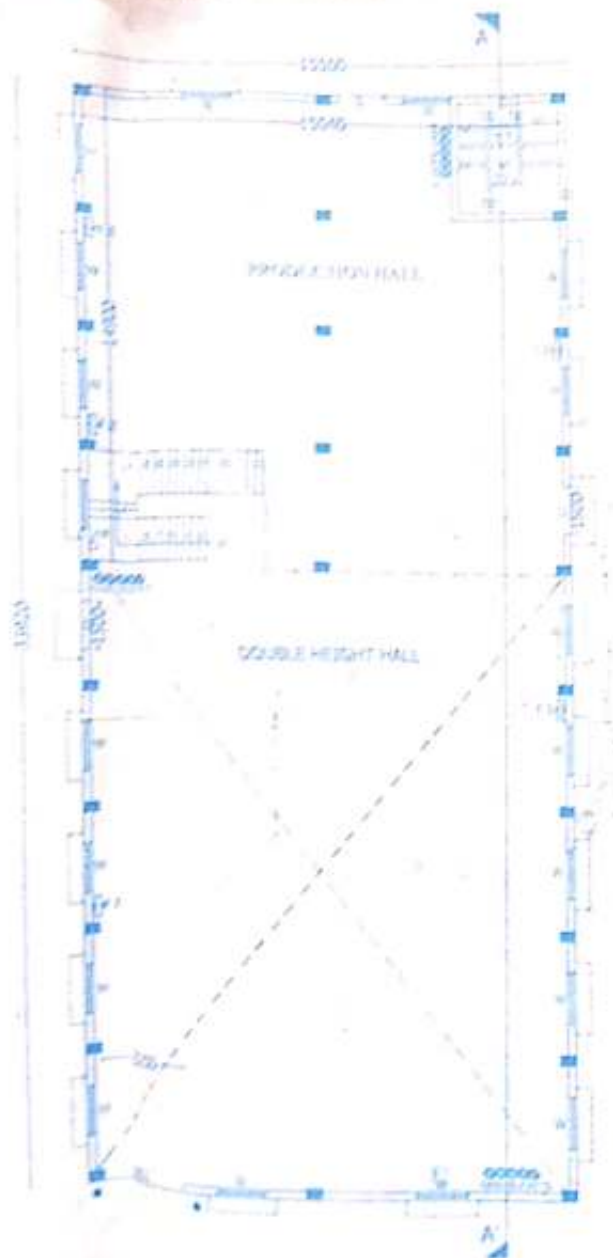
ELECTRICAL LOAD REQUIREMENT



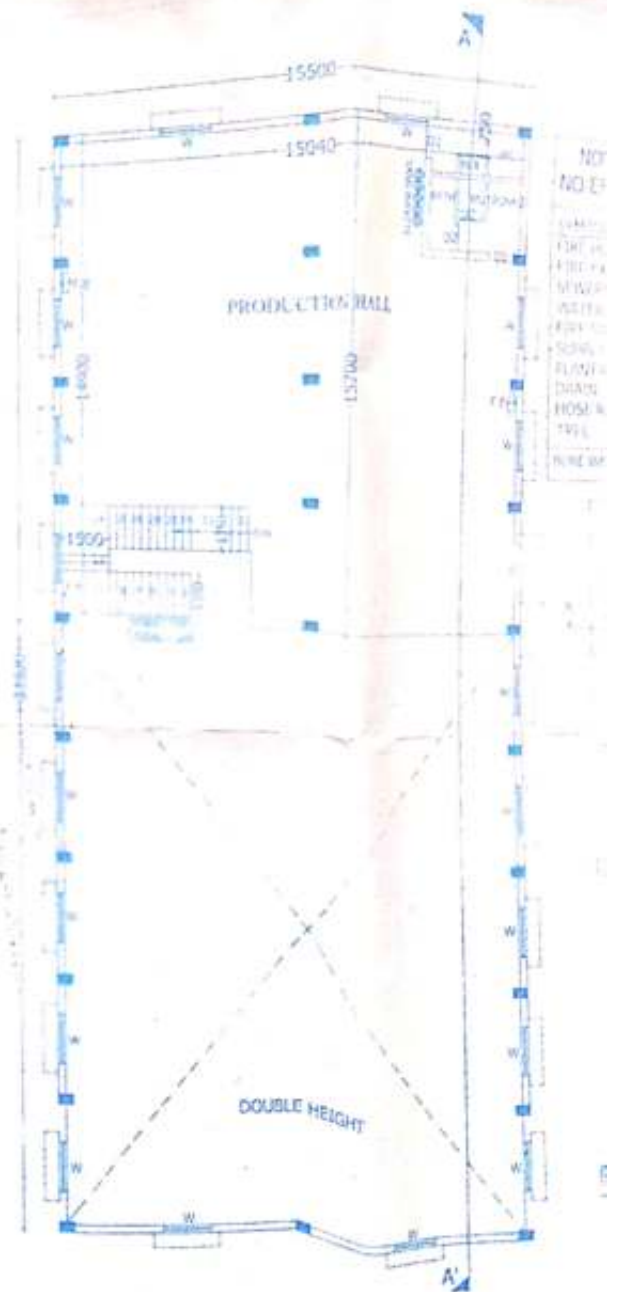
NOTE: NO ETP REQUIRED AS
NO EFFLUENT SHALL BE GENERATED

SYMBOLS AND LEGEND
FIRE HOSE
FIRE EXTINGUISHER
SEWERAGE LINE
WATER SUPPLY LINE
FIRE SAFETY WATER
SUPPLY LINE
PLANTATION AREA

F.H
F.E +



GROUND FLOOR PLAN
SCALE 1:100



MEZZANINE FLOOR PLAN
SCALE 1:100

SECTION AA
SCALE 1:100

PLOT NO.-5/F4

GARBAGE
DISPOSAL
AREA

Plantation Area
5m x 2.5m = 12.5 sq.m

REAR SET BACK 3000 MM WD

Parking Area
14.5m x 2.6 m = 37.7 sq.m

SITE

PLOT NO.-78

SIDE SET BACK 3000 MM WD

PLOT NO.-5/F3

SIDE SET BACK 1500 MM WD

Loading
Unloading Area
must have 1.5 sq.m

FRONT SET BACK 5000 MM WD

18.00 M WIDE ROAD

SITE PLAN
SCALE 1:100



FRONT ELEVATION
SCALE 1:50



GROUND FL
SCALE 1:50



KEY

32	70	30 M. WIDE ROAD
71		
18 M		



0-78

PLA



ROOF PLAN
SCALE 1:200