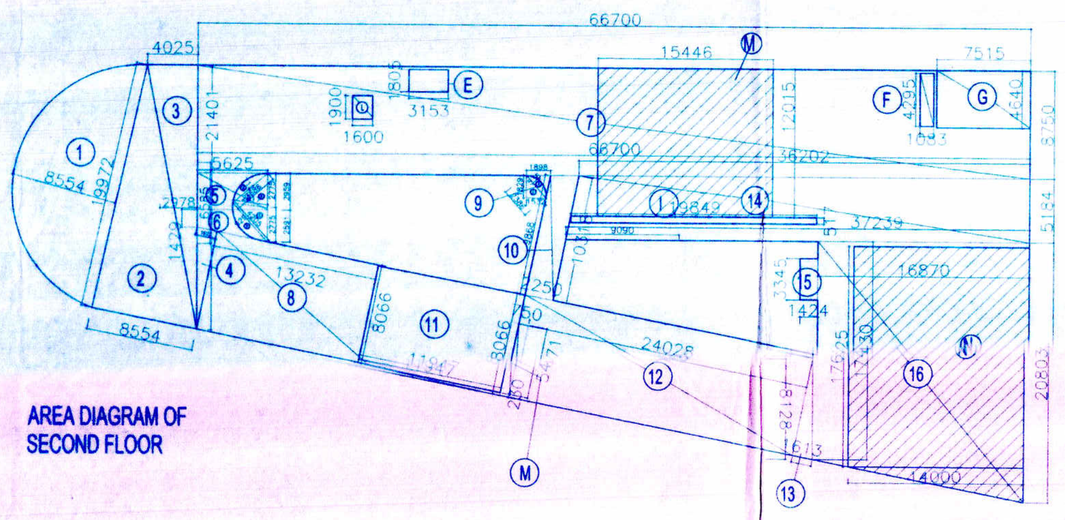
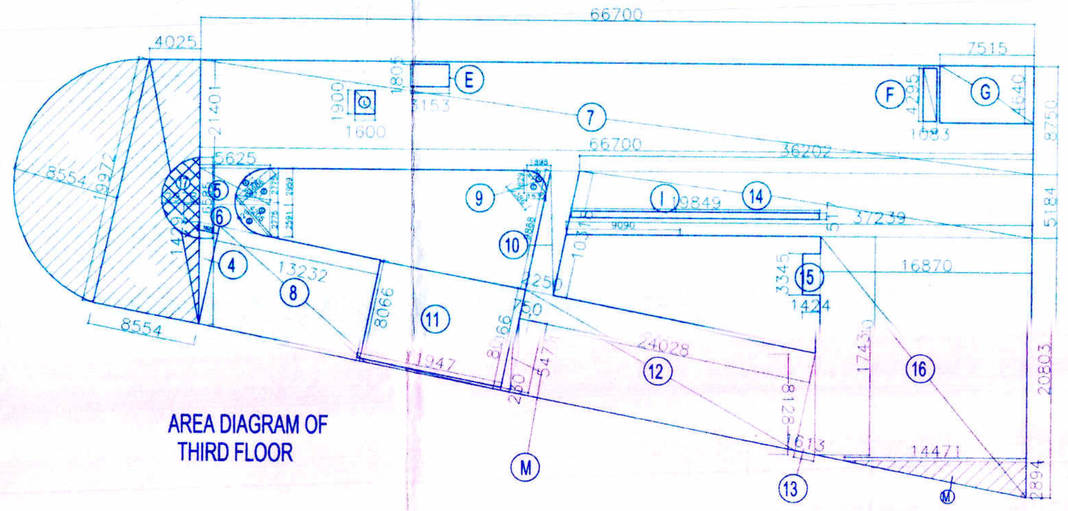
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



AREA DIAGRAM OF SECOND FLOOR



AREA DIAGRAM OF THIRD FLOOR

AREA CALCULATIONS:- SECOND FLOOR

1 = 2x8.505 x 19.972 / 3 = 113.240 SQ.MT.
2 = 8.554 x 19.972/2 = 85.420 SQ.MT.
3 = 4.025 x 21.401/2 = 43.069 SQ.MT.
4 = 8.066 x 1.622 / 2 = 6.541 SQ.MT.
5 = 5.625 x 2.959 = 16.644 SQ.MT.
6 = 2.591+1.429 x 5.625 / 2 = 11.306 SQ.MT.
7 = 66.700 x 8.750 = 583.625 SQ.MT.
8 = 13.232 x 8.066 = 106.729 SQ.MT.
9 = 1.898 + 1.532 x 1.829 / 2 = 3.136 SQ.MT.
10 = 9.868 + 10.318 x 2.250 / 2 = 22.709 SQ.MT.
11 = 11.947 x 8.066 = 96.364 SQ.MT.
12 = 24.028 x 8.066 = 193.809 SQ.MT.
13 = 8.128 x 1.613 / 2 = 6.555 SQ.MT.
14 = 36.202 + 37.239 x 5.184 / 2 = 190.359 SQ.MT.
15 = 1.424 x 3.345 = 4.763 SQ.MT.
16 = 17.430 + 20.803 x 16.870 / 2 = 322.495 SQ.MT.
TOTAL = 1806.764 SQ.MT.

DEDUCTION
A = 2x.712 x 3.686 / 3 = 1.749 SQ.MT.
B = 2.817 x 2.775 / 2 = 3.908 SQ.MT.
C = 2.817 x 2.775 / 2 = 3.908 SQ.MT.
D = 2x.929 x 4.205 / 3 = 2.604 SQ.MT.
E = 1.000 x 3.19 = 3.19 SQ.MT.
F = 1.083 x 4.295 = 4.651 SQ.MT.
G = 7.515 x 4.640 = 34.869 SQ.MT.
I = 19.849 x 0.517 = 10.261 SQ.MT.
J = 1.532 x 1.829/2 =1.401 SQ.MT.
K = 2X.536 x 2.386 / 3 = 0.852 SQ.MT.
L= 1.60X1.90 =3.040 SQ.MT.
M = 15.466x12.00 = 185.592 SQ.MT.
N = (17.625+20.803) /2x14.00 = 268.996 SQ.MT.
TOTAL = 525.021SQ.MT.

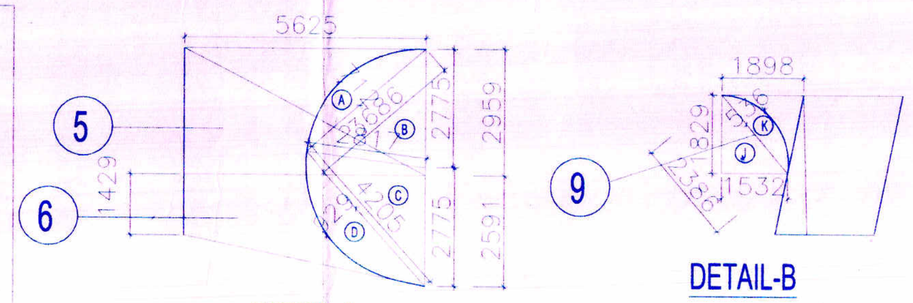
NET COVD. AREA 1806.764 - 525.021 = 1281.743 SQ.MT.

AREA CALCULATIONS:- THIRD FLOOR

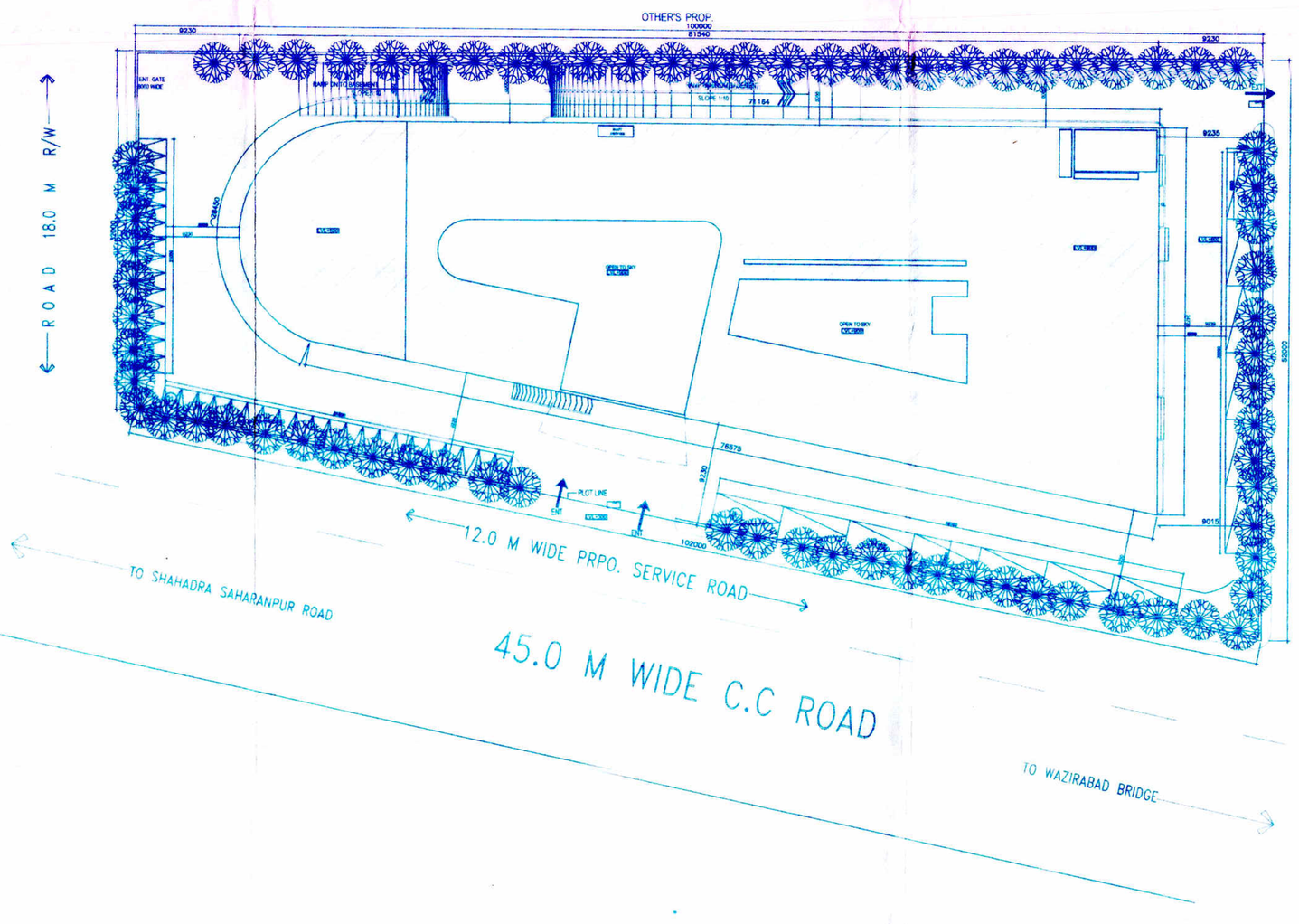
4 = 8.066 x 1.622 / 2 = 6.541 SQ.MT.
5 = 5.625 x 2.959 = 16.644 SQ.MT.
6 = 2.591+1.429 x 5.625 / 2 = 11.306 SQ.MT.
7 = 66.700 x 8.750 = 583.625 SQ.MT.
8 = 13.232 x 8.066 = 106.729 SQ.MT.
9 = 1.898 + 1.532 x 1.829 / 2 = 3.136 SQ.MT.
10 = 9.868 + 10.318 x 2.250 / 2 = 22.709 SQ.MT.
11 = 11.947 x 8.066 = 96.364 SQ.MT.
12 = 24.028 x 8.066 = 193.809 SQ.MT.
13 = 8.128 x 1.613 / 2 = 6.555 SQ.MT.
14 = 36.202 + 37.239 x 5.184 / 2 = 190.359 SQ.MT.
15 = 1.424 x 3.345 = 4.763 SQ.MT.
16 = 17.430 + 20.803 x 16.870 / 2 = 322.495 SQ.MT.
17 = 2X2.978X6.585/3 = 13.073 SQ.MT.
TOTAL = 1578.108 SQ.MT.

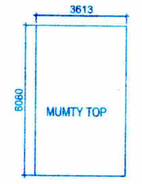
DEDUCTION
A = 2x.712 x 3.686 / 3 = 1.749 SQ.MT.
B = 2.817 x 2.775 / 2 = 3.908 SQ.MT.
C = 2.817 x 2.775 / 2 = 3.908 SQ.MT.
D = 2x.929 x 4.205 / 3 = 2.604 SQ.MT.
E = 1.000 x 3.19 = 3.19 SQ.MT.
F = 1.083 x 4.295 = 4.651 SQ.MT.
G = 7.515 x 4.640 = 34.869 SQ.MT.
I = 19.849 x 0.517 = 10.261 SQ.MT.
J = 1.532 x 1.829/2 =1.401 SQ.MT.
K = 2X.536 x 2.386 / 3 = 0.852 SQ.MT.
L= 1.60X1.90 =3.040 SQ.MT.
M = 14.471 x 22.894/2 = 20.9399 SQ.MT.
TOTAL = 91.372 SQ.MT.

NET COVD. AREA 1565.035 - 91.372 = 1473.663 SQ.MT.

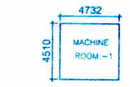


DETAIL-A DETAIL-B





MUMTY COVERED AREA DIAGRAM AND DETAIL
3.613Mx6.080M = 21.967 SQ.M



AREA OF MACHINE ROOM.-1
4.732x4.510 = 21.341 SQ.M.

AREA OF MACHINE ROOM.-2.
3.595Mx3.345 = 12.025 SQ.M.

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. THE ENTIRE SHOPS ARE ARTIFICIALLY LIGHTED AND CENTRALLY AIR CONDITIONED AND 24 HOURS POWER BACKUP.
3. THE ENTIRE FLOOR SHALL HAVE HEAT SENSITIVE SPRINKLER SYSTEM.
4. ALL THE STAIRCASES AND LIFTS ENCLOSURES SHALL BE OF FIRE RESISTANT MATERIAL OF MIN. FIRE RATING 2 HOURS.
5. THE SEWAGE SHALL BE MECHANICALLY PUMPED FROM THE TOILETS
6. EMERGENCY ALARM SYSTEM SHALL BE PROVIDED AT THE TIME OF CONSTRUCTION/COMPLETION

KEY PLAN

NOT TO SCALE

AREA DETAIL :-

PLOT AREA = 4200.00 SQM

1. PERMISSIBLE GROUND COVERAGE @40%	= 1680.00 Sq.M
2. PROPOSED GROUND COVERAGE	= 1644.779 Sq.M
3. PERMISSIBLE F.A.R. @1.75	= 7350.00 Sq.M
4. PROPOSED F.A.R. (1.498)	= 6290.607 Sq.M

COVD. AREA OF BASEMENT-1	= 2122.265 SQ.M
COVD. AREA OF BASEMENT-2	= 2122.265 SQ.M.
TOTAL	= 4244.53 SQ.M.

PROPOSED COVD. AREA :-

GROUND FLOOR	= 1647.280 SQM
FIRST FLOOR	= 1647.280SQM
SECOND FLOOR	= 1281.743 SQM
THIRD FLOOR	= 1473.663 SQM
FOURTH FLOOR	= 594.823 SQM
TOTAL	= 6644.789 SQM
GRAND TOTAL	= 10944.652 SQM

AREA OF MACHINE ROOM. -1	= 21.341 SQ.M.
AREA OF MACHINE ROOM.-2.	= 12.025 SQ.M.
MUMTY COVERED AREA	= 21.967 SQ.M.
TOTAL	= 55.333 SQ.M.

F.A.R ACHIEVED = 6644.789x100 / 4200.00 = 1.58

PARKING REQUIREMENT
TOTAL AREA OF MULTIPLEX = 999.353 SQ.M.
TOTAL AREA OF COMM. = 5456.436 SQ.M.
TOTAL = 6644.789 SQM

FOR MULTIPLEX TOTAL SEATS/10 = 456/10 = 46 ECS
FOR COMMERCIAL = 5456.436X2 / 100 = 112.91 SAY 113 ECS
TOTAL parking reqd. = 159 ECS

ECS PROVIDED

IN BASEMENT-1	2122.265/32 = 66 NO.
IN BASEMENT-2	2122.265/32 = 66 NO.
IN OPEN SPACE	= 27 NO.
TOTAL	= 159 ECS.

5 TREES @1000 SQ.M. OF PLOT AREA
TOTAL TREES = 4200.00 x 5 / 1000 TOTAL TREES = 21 NOS.

For P.K.G. Estates (P) Ltd.

OWNER'S SIGN

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Architect, Sachin Srivastava
(U. Arch-Mumbai)
Reg. No. CA/2007/60117
128, Ganga Nagar Society
Newalganj, Kanpur
Ph. No. 9040758 Mob. 9336019032
ARCHITECT'S SIGN

PROJECT:
PROPOSED COMMERCIAL COMPLEX FOR M/S P.K.G. ESTATES (P) LTD. AT PLOT No.-12A&14, SEC. -C4, TRONICA CITY, GHAZIABAD (U.P.)

UNIT: TITLE: SITE PLAN AND AREA DETAIL-2

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TECHNICALLY CHECKED

DRAWN DEALT CHKD SCALE 1:150 DRG.NO. SB-02 REV 00

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