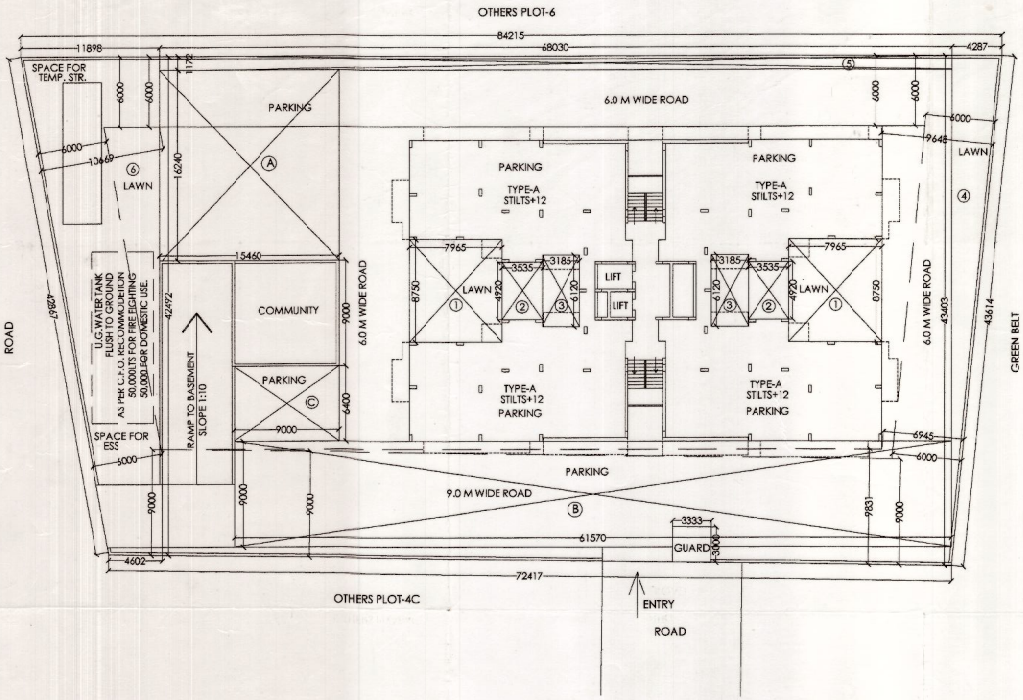
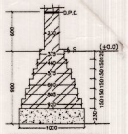
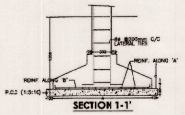
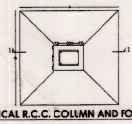




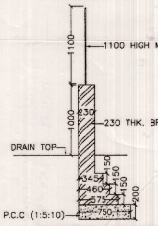
FOUNDATION DETAIL



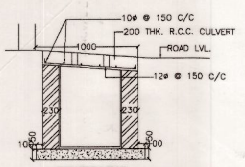
SECTION 1-1'



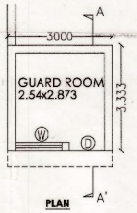
TYPICAL R.C.C. COLUMN AND FOUNDATION



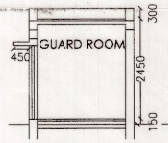
COMPOUND WALL FOUNDATION



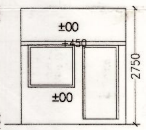
CULVERT DETAIL



PLAN
GUARD ROOM DETAIL



SECTON AA'



ELEVATION

15% EXTRA F.A.R ACHIEVED:-

FLOORS	BLOCK A	GUARD	TOTAL
GROUND	45.170	13.00	58.170
FIRST	38.294	-	38.294
SECOND	38.294	-	38.294
THIRD	38.294	-	38.294
FOURTH	38.294	-	38.294
FIFTH	38.294	-	38.294
SIXTH	38.294	-	38.294
SEVENTH	38.294	-	38.294
EIGHTH	38.294	-	38.294
NINTH	38.294	-	38.294
TENTH	38.294	-	38.294
ELEVENTH	38.294	-	38.294
TWELVETH	38.254	-	38.254
MUMTY	38.143	-	38.143
MACHINE RM.	33.817	-	33.817
WATER TANK	30.655	-	30.655
TOTAL	607.083	13.00	617.032

DENSITY PERMISSIBLE = 357.5 PPH

= 61301.40X357.50 / 10000

= 2191.525+5%

= 2301.101 PERSON

DENSITY ALREADY ACHIEVED

= 2170 PESONS

DENSITY LEFT = 131.101

DENSITY AFTER PURCHASABLE FAR = 131.101 +83.33%

= 240.347 PERSONS

PERMISSIBLE DU. UNITS = 240.347/5 = 48 UNITS

PROPOSED DU. UNITS = 48

DENSITY ACHIEVED:-

TYPE-A = 4X12 FLOORS

TOTAL DU UNITS = 48

TOTAL POPULATION = 48 X 5 = 240 PERSONS

AREA CALCULATION

Total Plot Area	=	3360.440 Sqm
Permissible Gr. Coverage @ 35%	=	1176.154 Sqm
Permissible FAR @ 1.50	=	5040.660 Sqm
Purchased FAR @ 1.25	=	4200.550 Sqm
Net FAR @ 2.75	=	9241.210 Sqm

Proposed Ground Coverage:

BLOCK A	COMMUNITY	GUARD	TOTAL
802.797	81.000	10.0	893.797 SQ.M.

= 893.797 SQ.M. OR 26.597%

F.A.R. ACHIEVED:-

FLOORS	BLOCK A	COMMUNITY	TOTAL
GROUND	30.655	81.000	111.655
FIRST	753.919	81.000	834.919
SECOND	753.919	-	753.919
THIRD	753.919	-	753.919
FOURTH	753.919	-	753.919
FIFTH	753.919	-	753.919
SIXTH	753.919	-	753.919
SEVENTH	753.919	-	753.919
EIGHTH	753.919	-	753.919
NINTH	753.919	-	753.919
TENTH	753.919	-	753.919
ELEVENTH	753.919	-	753.919
TWELVTEH	753.919	-	753.919
TOTAL			9239.683 SQ.M. OR 2.749

AREA OF STILTS = TYPE (AX4)-

= A(180.816X4)

= **723.264 SQ.M.**

PARKING CALCULATIONS:-

EQUIVALENT CAR SPACE (E.C.S)REQUIRED

= F.A.R. AREA / 80

= 9241.21 / 80 = **115.516 E.C.S.**

CAR PARKING SPACEPROVIDED IN BASEMENT AREA:-

= 1555.511 SQ.M. OR (1555.511/30) = **51 E.C.S.**

CAR PARKING SPACE PROVIDED IN STILTS AREA:-

=(723.264 SQ.M. OR (723.264/53) = **24 E.C.S.**

=CAR PARKING SPACEPROVIDED IN OPEN AREA:-

= (A)+(B)+(C)

= A(15.4X16.26) + B(61.57+9.3)+C(9.2X6.4)

= A(251.67)+ B(554.13)+C(57.6)

= **806.2 SQ.M.** OR (806.80/20)= **43 E.C.S.**

TOTAL CAR PARKING PROVIDED = 51 + 24 +43 =118 E.C.S.

LANDSCAPING CALCULATION:-

OPEN AREA=(PLOT AREA - (GROUND COVG.)

=(3360.44 - 893.797) = **2466.643 SQ.M.**

GREEN AREA REQUIRED

=25% OF OPEN AREA

=2466.643 / 4 = **616.61 SQ.M.**

PROPOSED SOFT LANDSCAPED AREA :-

=(1X2)+(2X2)+(3X2)+(4)+(5)+(5)

=(7.965X8.75X2)+2(3.535X4.92X2)+3(3.185X6.12X2)+4(0.5X4.287X43.403)

+5(68.03X1.172)+6(8.5(4.6C2+11.898)X42.892)

=1(139.387) + (34.784) + (38.184) + (193.034) + (79.731)+(350.559)

=736.671 SQ.M.

PERMISSIBLE NO. OF TREES = OPEN AREA / 100 TREE PER 100 SQ.M.

=2466.643 / 100 = 25 TREES

PROPOSED TREES =42 NO. EVERGREEN TREES (GULMOHAR & NEEM)

TOTAL ELECTRICAL LOAD = 500 K.W.

Greater Noida Industrial Dev. Authority
APPROVED
Vide Letter No. 56.7 Dated. 24/08/2012
Valid upto Dated. 5 years...
DGM (Plng. & Arch.)
Gen. Manager (Plng. & Arch.)
Drawing Checked & Verified By
Dy D'man
S. Ex. (Plng)

PROJECT:-
GROUP HOUSING FOR
MITRA SAHKARI AWAS SAMITI LTD.
PLOT NO.-5,SECTOR-P-3 AT GREATER NOIDA. (U.P.)

SIGNING AUTHORITY
मित्र सहकारी आवास समिति लि०
गौतमबुद्ध नगर

ARCHITECTS SIGN
M. N. ANDLEY
B. ARCH. F.I.I.A., F.I.V.
ARCHITECT CA/ 75 / 1867

SUBMISSION DRAWING
DRG. TITLE:- LAYOUT PLAN
SCALE:-1:200
DRG. NO.:01
DT.BY:-
DATE-08/11/2011

NORTH

ARCHITECTS:-
M N. ANDLEY B.ARCH. F.I.I.A. F.I.V
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39 HOUSING SOCIETY N.D.S.I.-I NEW DELHI - 110049