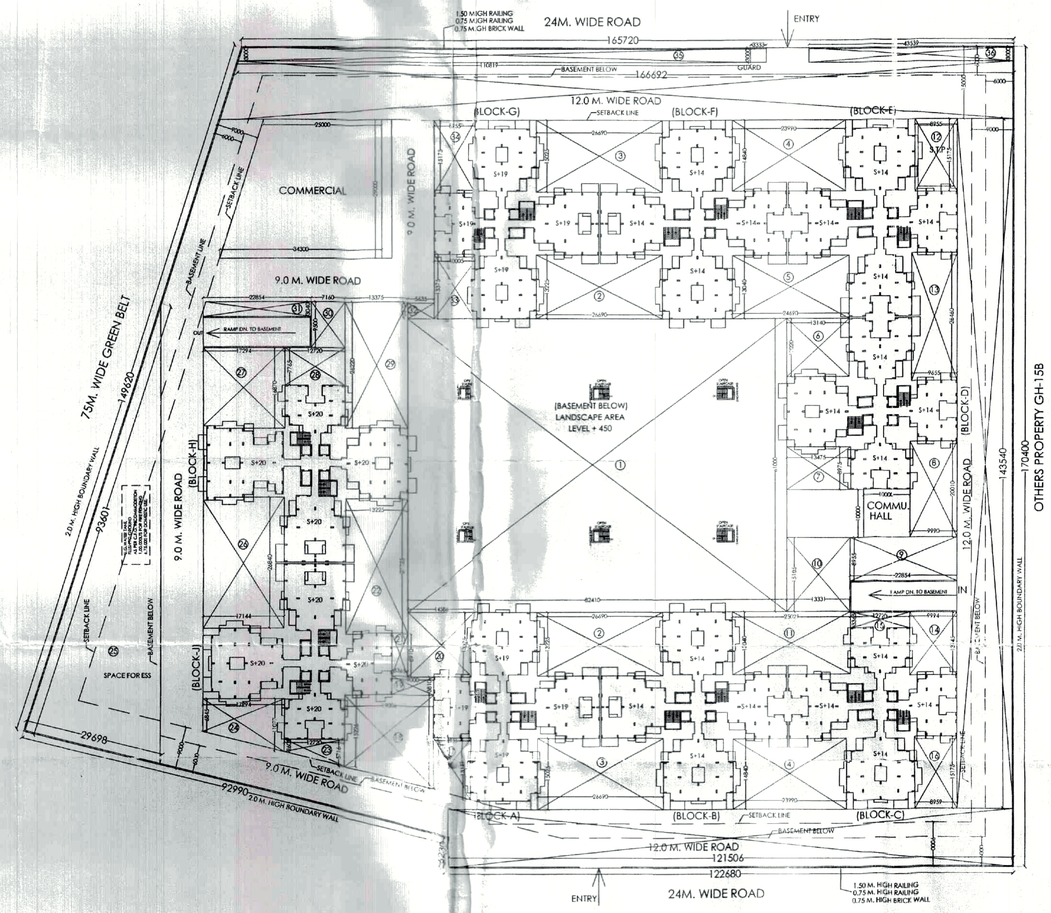


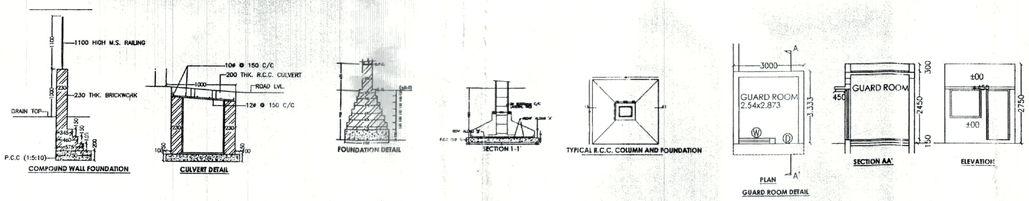


15% EXTRA F.A.R ACHIEVED:-

| FLOORS | BLOCK A | BLOCK B | BLOCK C | BLOCK D | BLOCK E | BLOCK F | BLOCK G | BLOCK H | BLOCK J | GUARD | S.T.P | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GROUND | 41.784 | 41.784 | 41.784 | 41.784 | 41.784 | 41.784 | 41.784 | 41.784 | 41.784 | 10.00 | 95.114 | 481.170 |
| FIRST | 43.947 | 42.246 | 42.093 | 41.013 | 41.940 | 42.093 | 42.093 | 44.100 | 42.246 | - | - | 381.771 |
| SECOND | 43.947 | 42.246 | 42.093 | 41.013 | 41.940 | 42.093 | 42.093 | 44.100 | 42.246 | - | - | 381.771 |
| THIRD | 43.947 | 42.246 | 42.093 | 41.013 | 41.940 | 42.093 | 42.093 | 44.100 | 42.246 | - | - | 381.771 |
| FOURTH | 43.947 | 42.246 | 42.093 | 41.013 | 41.940 | 42.093 | 42.093 | 44.100 | 42.246 | - | - | 381.771 |
| FIFTH | 43.947 | 42.246 | 42.093 | 41.013 | 41.940 | 42.093 | 42.093 | 44.100 | 42.246 | - | - | 381.771 |
| SIXTH | 43.947 | 42.246 | 42.093 | 41.013 | 41.940 | 42.093 | 42.093 | 44.100 | 42.246 | - | - | 381.771 |
| SEVENTH | 43.947 | 42.246 | 42.093 | 41.013 | 41.940 | 42.093 | 42.093 | 44.100 | 42.246 | - | - | 381.771 |
| EIGHTH | 43.947 | 42.246 | 42.093 | 41.013 | 41.940 | 42.093 | 42.093 | 44.100 | 42.246 | - | - | 381.771 |
| NINTH | 43.947 | 42.246 | 42.093 | 41.013 | 41.940 | 42.093 | 42.093 | 44.100 | 42.246 | - | - | 381.771 |
| TENTH | 43.947 | 42.246 | 42.093 | 41.013 | 41.940 | 42.093 | 42.093 | 44.100 | 42.246 | - | - | 381.771 |
| ELEVENTH | 43.947 | 42.246 | 42.093 | 41.013 | 41.940 | 42.093 | 42.093 | 44.100 | 42.246 | - | - | 381.771 |
| TWEVLETH | 43.947 | 42.246 | 42.093 | 41.013 | 41.940 | 42.093 | 42.093 | 44.100 | 42.246 | - | - | 381.771 |
| THIRTEEN | 43.947 | 42.246 | 42.093 | 41.013 | 41.940 | 42.093 | 42.093 | 44.100 | 42.246 | - | - | 381.771 |
| FOURTEEN | 43.947 | 42.246 | 42.093 | 41.013 | 41.940 | 42.093 | 42.093 | 44.100 | 42.246 | - | - | 381.771 |
| FIFTEEN | 43.947 | 42.246 | 42.093 | 41.013 | 41.940 | 42.093 | 42.093 | 44.100 | 42.246 | - | - | 381.771 |
| SIXTEEN | 43.947 | - | - | - | - | - | 42.093 | 44.100 | 42.246 | - | - | 172.386 |
| SEVENTEN | 43.947 | - | - | - | - | - | 42.093 | 44.100 | 42.246 | - | - | 172.386 |
| EIGHTEEN | 43.947 | - | - | - | - | - | 42.093 | 44.100 | 42.246 | - | - | 172.386 |
| NINTEEN | 43.947 | - | - | - | - | - | 42.093 | 44.100 | 42.246 | - | - | 172.386 |
| TWENTY | - | - | - | - | - | - | - | 44.100 | 42.246 | - | - | 86.346 |
| MUMTY | 37.288 | 37.288 | 37.288 | 37.288 | 37.288 | 37.288 | 37.288 | 37.288 | 37.288 | - | - | 335.592 |
| MACHINE RM. | 50.614 | 50.614 | 50.614 | 50.614 | 50.614 | 50.614 | 50.614 | 50.614 | 50.614 | - | - | 455.526 |
| WATER TANK | 23.788 | 23.788 | 23.788 | 23.788 | 23.788 | 23.788 | 23.788 | 23.786 | 23.788 | - | - | 214.092 |
| TOTAL | 988.467 | 744.918 | 742.776 | 727.656 | 740.634 | 742.776 | 952.241 | 1035.471 | 998.394 | 10.00 | 95.114 | 7779.450 |

DENSITY ACHIEVED:-

| | |
|---|---|
| TYPE-A | = 207 UNITS |
| TYPE-B | = 195 UNITS |
| TYPE-C | = 190 UNITS |
| TYPE-D | = 202 UNITS |
| TYPE-E | = 165 UNITS |
| TYPE-F | = 73 UNITS |
| TYPE-G | = 40 UNITS |
| TYPE-A1 | = 28 UNITS |
| TYPE-B1 | = 28 UNITS |
| TYPE-C1 | = 14 UNITS |
| TYPE-D1 | = 14 UNITS |
| TYPE-E1 | = 14 UNITS |
| TYPE-F1 | = 14 UNITS |
| | TOTAL = 1184 UNITS |
| TOTAL DU. UNITS | = 1184 |
| TOTAL POPULATION | = 1184 X 4.5 = 5328 PERSONS |
| DENSITY | =(5328 X 10000 SQ.M.) / 31275.0 SQ.M. |
| | = **1703.597 P.P.H.** |

DENSITY ACHIEVED:-

| FLOORS | BLOCK A | BLOCK B | BLOCK C | BLOCK D | BLOCK E | BLOCK F | BLOCK G | BLOCK H | BLOCK J | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| GROUND | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | NIL | |
| FIRST | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 72 |
| SECOND | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 72 |
| THIRD | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 72 |
| FOURTH | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 72 |
| FIFTH | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 72 |
| SIXTH | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 72 |
| SEVENTH | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 72 |
| EIGHTH | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 72 |
| NINTH | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 72 |
| TENTH | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 72 |
| ELEVENTH | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 72 |
| TWEVLETH | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 72 |
| THIRTEEN | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 72 |
| FOURTEEN | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 72 |
| FIFTEEN | 8 | NIL | NIL | NIL | NIL | NIL | 8 | 8 | 8 | 32 |
| SIXTEEN | 8 | NIL | NIL | NIL | NIL | NIL | 8 | 8 | 8 | 32 |
| SEVENTEN | 8 | NIL | NIL | NIL | NIL | NIL | 8 | 8 | 8 | 32 |
| EIGHTEEN | 8 | NIL | NIL | NIL | NIL | NIL | 8 | 8 | 8 | 32 |
| NINTEEN | 8 | NIL | NIL | NIL | NIL | NIL | 8 | 8 | 8 | 32 |
| TWENTY | NIL | NIL | NIL | NIL | NIL | NIL | 8 | 8 | 8 | 16 |
| TOTAL | | | | | | | | | | 1184 |

**AREA CALCULATION**

| | | |
|---|---|---|
| Total Plot Area | = | 31275.00 Sqm |
| Permissible Gr. Coverage @ 35% | = | 10946.25 Sqm |
| Permissible FAR @ 2.75 | = | 86006.25 Sqm |

**Proposed Ground Coverage :**

| BLOCK | A | B | C | D | E | F | G | H | J | COMM. | COMU. | GUARD | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 670.214 | 645.573 | 598.096 | 625.483 | 613.827 | 600.649 | 600.649 | 671.845 | 623.919 | 859.85 | 100.0 | 10.0 | 6620.105 SQ.M. |

= **6620.105 SQ.M. OR 21.167 %**

**F.A.R. ACHIEVED :-**

| FLOORS | BLOCK A | BLOCK B | BLOCK C | BLOCK D | BLOCK E | BLOCK F | BLOCK G | BLOCK H | BLOCK J | COMM. | COMU. | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GROUND | 57.891 | 57.891 | 55.375 | 58.557 | 55.211 | 57.928 | 57.928 | 54.305 | 54.305 | 859.85 | 100.00 | 1469.241 |
| FIRST | 609.737 | 586.797 | 539.473 | 567.940 | 555.357 | 542.026 | 542.026 | 613.069 | 565.143 | - | - | 5121.568 |
| SECOND | 609.737 | 586.797 | 539.473 | 567.940 | 555.357 | 542.026 | 542.026 | 613.069 | 565.143 | - | - | 5121.568 |
| THIRD | 609.737 | 586.797 | 539.473 | 567.940 | 555.357 | 542.026 | 542.026 | 613.069 | 565.143 | - | - | 5121.568 |
| FOURTH | 609.737 | 586.797 | 539.473 | 567.940 | 555.357 | 542.026 | 542.026 | 613.069 | 565.143 | - | - | 5121.568 |
| FIFTH | 609.737 | 586.797 | 539.473 | 567.940 | 555.357 | 542.026 | 542.026 | 613.069 | 565.143 | - | - | 5121.568 |
| SIXTH | 609.737 | 586.797 | 539.473 | 567.940 | 555.357 | 542.026 | 542.026 | 613.069 | 565.143 | - | - | 5121.568 |
| SEVENTH | 609.737 | 586.797 | 539.473 | 567.940 | 555.357 | 542.026 | 542.026 | 613.069 | 565.143 | - | - | 5121.568 |
| EIGHTH | 609.737 | 586.797 | 539.473 | 567.940 | 555.357 | 542.026 | 542.026 | 613.069 | 565.143 | - | - | 5121.568 |
| NINTH | 609.737 | 586.797 | 539.473 | 567.940 | 555.357 | 542.026 | 542.026 | 613.069 | 565.143 | - | - | 5121.568 |
| TENTH | 609.737 | 586.797 | 539.473 | 567.940 | 555.357 | 542.026 | 542.026 | 613.069 | 565.143 | - | - | 5121.568 |
| ELEVENTH | 609.737 | 586.797 | 539.473 | 567.940 | 555.357 | 542.026 | 542.026 | 613.069 | 565.143 | - | - | 5121.568 |
| TWEVLETH | 609.737 | 586.797 | 539.473 | 567.940 | 555.357 | 542.026 | 542.026 | 613.069 | 565.143 | - | - | 5121.568 |
| THIRTEEN | 609.737 | 586.797 | 539.473 | 567.940 | 555.357 | 542.026 | 542.026 | 613.069 | 565.143 | - | - | 5121.568 |
| FOURTEEN | 609.737 | 586.797 | 539.473 | 567.940 | 555.357 | 542.026 | 542.026 | 613.069 | 565.143 | - | - | 5121.568 |
| FIFTEEN | 609.737 | - | - | - | - | - | 542.026 | 613.069 | 565.143 | - | - | 2329.975 |
| SIXTEEN | 609.737 | - | - | - | - | - | 542.026 | 613.069 | 565.143 | - | - | 2329.975 |
| SEVENTEEN | 609.737 | - | - | - | - | - | 542.026 | 613.069 | 565.143 | - | - | 2329.975 |
| EIGHTEEN | 609.737 | - | - | - | - | - | 542.026 | 613.069 | 565.143 | - | - | 2329.975 |
| NINETEEN | 609.737 | - | - | - | - | - | 542.026 | 613.069 | 565.143 | - | - | 2329.975 |
| TWENTY | - | - | - | - | - | - | - | 613.069 | 565.143 | - | - | 1178.212 |
| TOTAL | | | | | | | | | | | | 85999.280 SQ.M. OR 2.749 |

**AREA OF STILTS =** {TYPE-AX12 }+{TYPE-BX12}+{TYPE-CX12}+{TYPE-DX12}+{TYPE-EX10}+{TYPE-FX4}
+{TYPE-GX2}+{TYPE-A1X2 }+{TYPE-B1X2}+{TYPE-C1}+{TYPE-D1}+{TYPE-E1}+{TYPE-F1}:-
= A{48.152X12}+B{49.555X12}+C{61.306X12}+D{71.566X12}+E{77.906X10}+F{87.549X4}
+G{96.955X2}+A1{49.89X2}+B1{51.221X2}+C1{62.74}+D1{74.292}+E1{80.248}+F1{89.891} = **4599.497 SQ.M.**

**PARKING CALCULATIONS:-**

EQUIVALENT CAR SPACE (E.C.S)REQUIRED

= F.A.R. AREA / 80 = 86006.25 / 80 = 1075.078 SAY **1076 E.C.S.**

CAR PARKING SPACE PROVIDED IN BASEMENT AREA:-

= 25501.555 SQ.M. OR (25501.555/30) = 850 E.C.S.

CAR PARKING SPACE PROVIDED IN STILTS AREA:-

= 4599.497 SQ.M. OR (4599.497/30) = 153 E.C.S.

=CAR PARKING SPACE PROVIDED IN OPEN AREA:-

={A}+{B}+{C} :-

=A{166.692X12.0}+B{143.54X12.0}+C{121.506X12.0}

= 5180.856 SQ.M. OR (5180.856/20)=259 E.C.S.

**TOTAL CAR PARKING PROVIDED** = 850 + 153 + 259 = **1262 E.C.S.**

**LANDSCAPING CALCULATIONS:-**

OPEN AREA=(PLOT AREA - GROUND COVG.) = 31275.0 -6620.105 = 24654.895 SQ.M.

GREEN AREA REQUIRED = 24654.895 / 2 = 12327.4475 SQ.M.

**PROPOSED SOFT LANDSCAPED AREA** :-

= [{1}+{2X2}+{3X2}+{4X2}+{5}+{6}+{7}+{8}+{9}+{10}+{11}+{12}+{13}+{14}+{15}+{16}+{17}+{18}+{19}+{20}+{21}+{22}+{23}+{24}
+{25}+{26}+{27}+{28}+{29}+{30}+{31}+{32}+{33}+{34}+{35}+{36}] {3.33X2.46X6}

=[1{82.41X61.0}+2{26.69X13.225X2}+3{26.69X15.025X2}+4{2[illegible]X14.84X2}+5{24.69X13.04}+6{13.14X12.02}+7{13.475X8.975}+8{9.99X22.01}+
9{22.854X6.955}+10{13.33X13.185}+11{25.021X13.04}+12{[illegible]955X13.17[illegible]}+13{12.7[illegible]X3.503}+16{6.939X15.175}+
17{0.5{10.967+13.159}X8.955}+18{0.5{15.226+19.877}X19.006}+19{9.0X3.31}+20{14.586X13.375}+21{3.365X8.91}+22{13.225X27.725}+
23{0.5{2.602+5.716}X12.72} +24{0.5{6.845+11.077}X17.294} -25{0.5X93.6[illegible]X29.698}+26{17.144X26.84}+27{17.294X16.87}+28{12.72X7.765}+
29{13.375X26.22}+30{7.16X9.50}+31{22.854X3.04}+32{5.63[illegible]X3.27}+33{10.005X13.375}+34{8.955X15.175}+ 35{110.819X3.0}+36{43.539X3.0} -{49.15}

=[1{5027.01}+2{705.951}+3{802.035}+4{712.023}+5{321.958}+[illegible]{157.943}+[illegible]{120.938}+8{199.90}+9{204.657}+10{202.431}+11{326.274}+12{135.892}
+13{255.471} +14{131.371} +15{42.803}+16{135.953}+17{108.024}+ 8{333.584}+19{34.29}+20{195.088}+21{29.982}+22{366.663}+23{52.902}
+24{154.972}+25{1389.881}+26{460.145}+27{291.75}+28{98.771}+29{350.771}+30{68.02}+31{69.476}+32{18.426}+33{133.817}
+34{135.892}+35{332.457}+36{130.617}] -{49.15}

**= 14188.987 SQ.M.**

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

= 24654.895 /100 = 247 TREES

PROPOSED TREES = 264 NO. EVERGREEN TREES (GULMOHAR & NEEM)

TOTAL ELECTRICAL LOAD = 4700 K.W.

PROJECT:-

GROUP HOUSING FOR
M\S **ANTRIKSH ENGINEERS PVT. LTD**
PLOT NO. GH-15A,SECTOR-1 AT GREATER NOIDA. (U.P.)

SIGNING AUTHORITY

ARCHITECT'S SIGN

M. N. ANDLEY
B. ARCH. F.I.I.A. F.I.V.
ARCHITECT CA/75/17164

SUBMISSION DRAWING

DRG. TITLE:- LAYOUT PLAN

SCALE:-1:500 | DRG. NO.: 01

DLT.BY.:- | DATE:-27/05/2011

NORTH

ARCHITECTS:-
M. N. ANDLEY B.ARCH. F.I.I.A. F.I.V.

ANDLEYS ASSOCIATES PVT. LTD.
ARCHITECTS ENGINEERS PLANNERS
39 HOUSING SOCIETY N.D.S.E-I NEW DELHI - 110049