AREA STATEMENT

SNO.	PARTICULARS	SQM./NOS.
1	TOTAL PLOT AREA	20620.93 SQM
A	PERMISSIBLE F.A.R FOR HOUSING = 20620.93 X 3.5	72173.25 SQM
B	ADDITIONAL F.A.R FOR GREEN BUILDING = 5% OF PERMISSIBLE F.A.R = 5% OF 72173.25 = 3608.662 SQ.M	
	TOTAL PERMISSIBLE F.A.R. = A + B = 72173.25 SQM. + 3608.662 SQM. = 75781.912 SQM	75781.912 SQM.
2	PERMISSIBLE **15%** F.A.R. FOR FACILITY OF TOTAL MAIN	11367.286 SQM
3	PERMISSIBLE GROUND COVERAGE @ 35%	7217.32 SQM
4	PROPOSED GROUND COVERAGE @ 14.64%	3020.672 SQM
5	PERMISSIBLE AREA IN F.A.R. FOR COMMERCIAL **1.00%** OF TOTAL F.A.R. AREA i.e 3.5 & 5% OF PERMISSIBLE GREEN F.A.R	757.819 SQM
6	TOTAL PROPOSED F.A.R	39422.148 SQM.
7	TOTAL BASEMENT AREA	
	PROPOSED BASEMENT AREA FOR PARKING (TOWER - A ,D ,E ,F)	9048.922
8	ADDITIONAL FACILITY F.A.R. PROPOSED (NOT MORE THAN 15% OF MAIN F.A.R. AREA)	**2448.507 SQM**
9	DENSITY CALCULATION	
	TOTAL POPULATION	3015 PERSONS
i)	Permissable	
	PPH	1650
	Persons	3402.45
	Unit	756.1 say 756 units
iii)	Proposed	
	Persons	1673
	Unit	322 units
10	**PARKING REQUIREMENT**	
	PERMISSIBLE 1 PARKING SPACE PER 80 SQM OF FAR AREA	492 ECS
	PROPOSED PARKING - OPEN AREA	
	AREA REQD. FOR ONE CAR PARK	20 SQM
	AREA AVAILABLE FOR OPEN CAR PARKING	4327.579 SQM
	PROPOSED NO. OF CAR PARKS IN OPEN	216.37 SAY 216 CARS
	PROPOSED PARKING - BASEMENT AREA	
	AREA REQD. FOR ONE CAR PARK	35 SQM
	AREA AVAILABLE FOR BASEMENT CAR PARKING	9048.922 SQM
	PROPOSED NO. OF CAR PARKS IN BASEMENT (SINGLE LAYER)	258.54 SAY 258 CARS
	MECHANICAL PARKING IN CAR PARKING BAYS	158 CARS
	TOTAL PARKING PROPOSED IN BASEMENT	258 + 158 = 416 CARS
11	**GREEN AREA CALCULATION**	
	PLOT AREA	20620.93 SQM
	PROPOSED TOTAL GROUND COVERAGE @ 14.64%	3020.672 SQM
	GROUND COVERAGE OF SWIMMING POOL	1039.9 SQM
	TOTAL PERMISSIBLE F.A.R	75781.912 SQM
	PERMISSIBLE GREEN AREA @ 50% OPEN AREA i.e PLOT AREA - (GROUND COVERAGE + WATER BODY)/2	**= 20620.93 - (7217.32 + 1039.9) / 2**
		= 12363.71 / 2
		= 6181.855 SQM
	GROUND COVERAGE	
	TOWER A	864.314
	TOWER D	739.94
	TOWER E	708.209
	TOWER F	708.209
	TOTAL	**3020.672**
	PROPOSED GREEN AREA - REFER SHEET 02 FOR DETAIL	**7678.623 SQM**

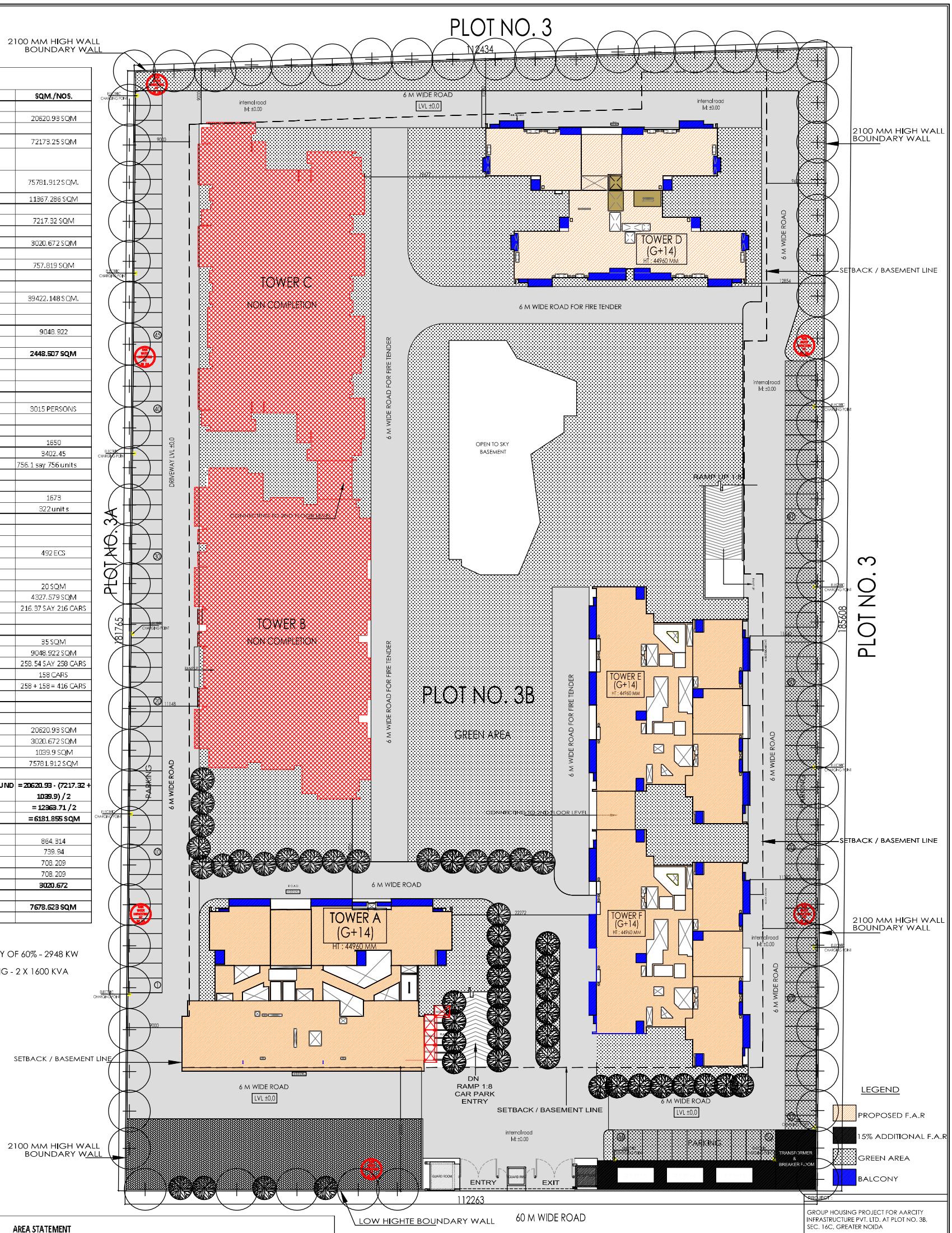
TOTAL ELECTRICAL LOAD CONSIDERING OVERALL DIVERSITY OF 60% - 2948 KW

TRANSFORMER SELECTION 11/.433 KV at 0.9 PF, 85% LOADING - 2 X 1600 KVA

TREE CALCULATION

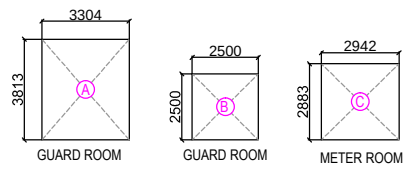
NOS. OF TREES REQD. = 1 TREE PER 100 SQM OF OPEN AREA
= 14474.297 / 100 = 144.74 SAY 150

EVERGREEN TREES REQD. = 150/2 = 75 NOS.
ORNAMENTAL TREES REQD. = 75 NOS.
EVERGREEN TREES PROPOSED = 75 NOS.
ORNAMENTAL TREES PROPOSED = 75 NOS.



AREA STATEMENT

AREA TABLE OF F.A.R		TOWER A - (G + 14)			TOWER D - (G + 14)				TOWER E - (G + 14)			TOWER F - (G + 14)		
S NO.	FLOORS	F.A.R. AREA (SQ.MT)	NO. OF DWELLING UNITS	POPULATION @ 4.5 PERSON PER D.U	F.A.R. AREA (SQ.MT)	NO. OF DWELLING UNITS	POPULATION @ 4.5 PERSON PER D.U	SERVANT @ 2.25 PERSON PER D.U	F.A.R. AREA (SQ.MT)	NO. OF DWELLING UNITS	POPULATION @ 4.5 PERSON PER D.U	F.A.R. AREA (SQ.MT)	NO. OF DWELLING UNITS	POPULATION @ 4.5 PERSON PER D.U
1	F.A.R AREA ON GR. FL.	817.056	3	13.5	637.478	4	18	9	640.602	5	22.5	644.523	5	22.5
2	F.A.R AREA ON 1st FL.	747.632	3	13.5	643.365	4	18	9	620.645	6	27	620.645	6	27
3	F.A.R AREA ON 2nd FL.	729.985	6	27	643.365	4	18	9	620.645	6	27	620.645	6	27
4	F.A.R AREA ON 3rd FL.	729.985	6	27	643.365	4	18	9	613.857	6	27	613.857	6	27
5	F.A.R AREA ON 4th FL.	729.985	6	27	643.365	4	18	9	613.857	6	27	613.857	6	27
6	F.A.R AREA ON 5th FL.	729.985	6	27	643.365	4	18	9	613.857	6	27	613.857	6	27
7	F.A.R AREA ON 6th FL.	729.985	6	27	643.365	4	18	9	613.857	6	27	613.857	6	27
8	F.A.R AREA ON 7th FL.	729.985	6	27	643.365	4	18	9	613.857	6	27	613.857	6	27
9	F.A.R AREA ON 8th FL.	729.985	6	27	643.365	4	18	9	613.857	6	27	613.857	6	27
10	F.A.R AREA ON 9th FL.	729.985	6	27	643.365	4	18	9	613.857	6	27	613.857	6	27
11	F.A.R AREA ON 10th FL.	729.985	6	27	643.365	4	18	9	613.857	6	27	613.857	6	27
12	F.A.R AREA ON 11th FL.	729.985	6	27	643.365	4	18	9	613.857	6	27	613.857	6	27
13	F.A.R AREA ON 12th FL.	729.985	6	27	643.365	4	18	9	613.857	6	27	613.857	6	27
14	F.A.R AREA ON 13th FL.	729.985	6	27	643.365	4	18	9	613.857	6	27	613.857	6	27
15	F.A.R AREA ON 14th FL.	729.985	6	27	643.365	4	18	9	613.857	6	27	613.857	6	27
16	F.A.R AREA ON PERGOLA LVL	98.902			47.326				38.283			38.283		
TOTAL		11153.395	84	378	9691.914	60	270	135	9286.459	89	400.5	9290.38	89	400.5
TOTAL F.A.R (TOWER- A,D,E,F)		39422.148	SQ.MT.											



AREA DETAIL

GUARD ROOM

A - 3.965 X 4.575 = 18.139 SQM.
B - 3.000 X 3.000 = 9.00 SQM .
TOTAL = 27.139 SQM .

METER ROOM

C - 3.530 X 3.460 = 12.213 SQM .

PROPOSED TOTAL GRAND F.A.R AREA OF PERGOLA	
TOWER	AREA IN SQ.MT.
TOWER A	98.902
TOWER D	47.326
TOWER E	38.283
TOWER F	38.283
TOTAL	222.794
TOTAL GRAND F.A.R AREA OF PERGOLA = 222.794 SQM.	

COLOUR INDEX :-

- HIGH LIGHTED FOR COMPLETION
- HIGH LIGHTED FOR NON COMPLETION

PROJECT :
GROUP HOUSING PROJECT FOR AARCITY INFRASTRUCTURE PVT. LTD. AT PLOT NO. 3B, SEC. 16C, GREATER NOIDA

CLIENT :
AARCITY INFRASTRUCTURE PVT. LTD.

SHEET TITLE :
SITE PLAN & AREA DETAILS

CONCEPT ARCHITECT
ARCHITECT HAFEEZ CONTRACTOR

ARCHITECT:
DES ARC
ARCHITECTS, INTERIORS, PLANNING
411, EXPRESS APARTMENT, SECTOR - IV, VAISHALI, GHAZIABAD - 201010, U.P., INDIA
PH: 0120 - 6589615 M : 09818711273
EMAIL- desarc.nishant@gmail.com

ARCHITECT'S SIGNATURE :

OWNER'S SIGNATURE :

NORTH

APPROVED BY : | CHECKED BY :
SCALE - 1:200 | DATE 03.08.2016
DEALT - S.B

DRG. NO. 01 | REVISION R-0