BERKELEY REALTECH LIMITED

PLOT NO. 24, INDUSTRIAL & BUSINESS PARK, PHASE-1, CHANDIGARH - 160 002
PH. : 0172-5041217 FAX : 0172-5033338 E-MAIL : info@berkeleyindia.com
CIN : U70100CH2006PLC029736

CERTIFIED TRUE COPY OF THE RESOLUTION PASSED BY THE BOARD OF DIRECTOR OF THE BERKELEY REALTECH LIMITED IN THEIR MEETING HELD ON 11.10.2014 AT REGISTERED OFFICE OF THE COMPANY, PLOT NO. 24, INDUSTRIAL AREA, PHASE I, CHANDIGARH.

The Board of Directors met today and relating to the formal resolution sought by the State Expert Appraisal Committee, Chandigarh vide their letter dated 27th Aug. 2014, it was resolved as under:

That the construction of the project "Berkeley Square" at plot No. 24, Industrial Area, Phase-I, Chandigarh was started and at that point of time environmental clearance was not applied for the reason that the matter did not come within the purview of the Notification dated 14th Sept., 2006 as the built up area of the project was less than 20,000 Sq. Mtrs., being 19920.235 Sq. Mtrs, which was also so calculated by the Department of Architecture, U.T. Chandigarh and conveyed vide letter dated 10th March, 2014 to the Estate Office, UT, Chandigarh and vide letter dated 27th March, 2014 in turn conveyed to the Department of Environment, Chandigarh by the Estate Office. It is only now in the year 2014 that applying some methodology, not disclosed to us, the U.T. has calculated the area to be 22019.82 Sq. Mtrs pursuant to Notification dated 2nd April, 2012 of the Ministry of Environment and Forests, Government of India. Reserving our right to contest the same, if so required, being law abiding citizens, the Directors of the Company do hereby tender a commitment not to violate any provision of the Environment (Protection) Act, 1986, as sought by the SEACC. It is a matter of record that environment clearance has already been applied for, upon the aforesaid discrepancy coming to the knowledge of the Company, though no written communication has been received in this regard till date. The company reiterates that it has not and shall not violate any provision of law knowingly or otherwise.

For Berkeley Realtech Limited

Director

For Berkeley Realtech Limited

Director

BERKELEY REALTECH LIMITED

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The Deputy Conservator of Forest,
Chandigarh Administration,
Chandigarh.

Date : 16.10.2014

Subject: Submission of documents for wildlife clearance in respect of our commercial project, Berkeley Square by Berkeley Realtech Limited ,Plot no. 24, Industrial Area, Phase I, Chandigarh.

Sir,

We are submitting herewith four sets of details in Part I and Part II performa alongwith Part III , IV and V in respect of our commercial project, Berkeley Square by Berkeley Realtech Limited ,Plot no. 24, Industrial Area, Phase I, Chandigarh.

The list of other documents enclosed are given below:

1. Five sets of drawings obtained from Survey Of India depicting the site location.
2. Five sets of Layout Plan.

You are requested to issue the wildlife clearance certificate for the above mentioned project.

Regards
For Berkeley Realtech Limited

Ranjeev Dahuja
Director

16/10/14

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RESOLUTION

With reference to visit of members of the State Expert Appraisal Committee, Chandigarh on 25.11.2014 at 12:15 p.m. at the site, it was observed that a fresh resolution be passed at the earliest. In view of that all the three members of Board of Directors of Company met today at 5 p.m. on 25.11.2014 and in continuation to their earlier resolutions dated 17.11.2014 and 11.10.2014 resolved as under:

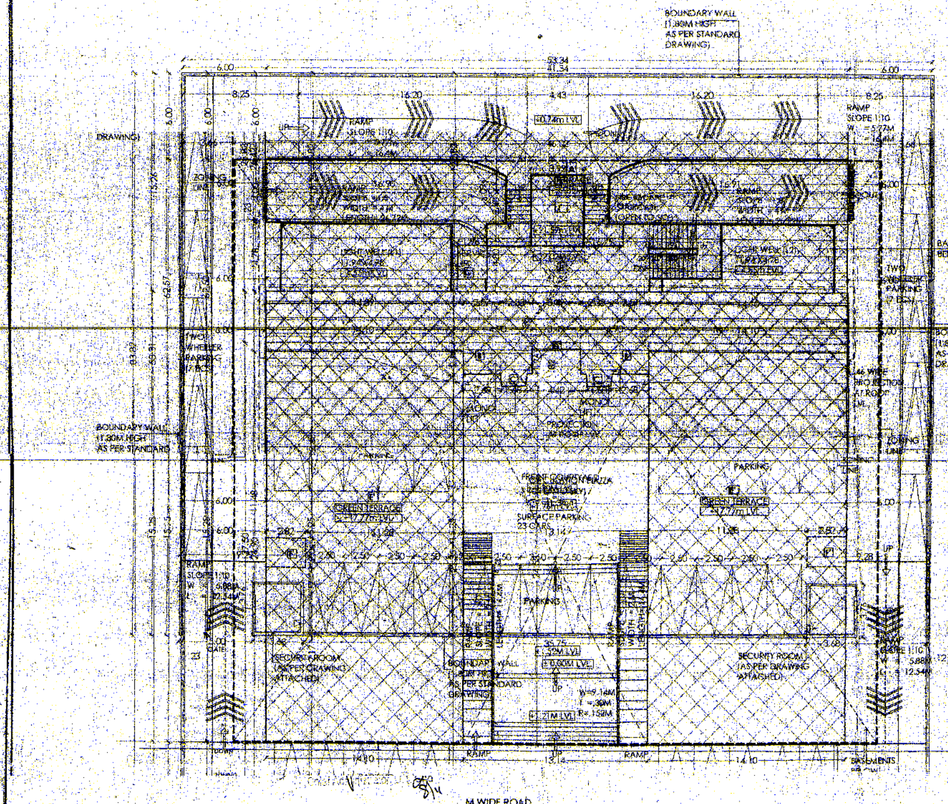
Resolved that Company has noted the violations under EIA notifications of Environment (Protection) Act and undertake that no violation will be repeated in future.

For Berkeley Realtech Limited

Ranjeev Dahuja
Director

Sanjay Dahuja
Director

Ashu Dahuja
Director



	FLOORS	CALCULATION	COVERED AREA	PARKING PROVIDED
a	BASEMENT (-3)	(46.02 x 9.94)+ (60.29 x 41.19)	2940.783 SQ.M	72 CARS PARKING.
b	BASEMENT (-2)	(46.02 x 9.94)+ (60.29 x 41.19)	2940.783 SQ.M	70 CARS PARKING.
c	BASEMENT (-1)	(46.02 x 9.94)+ (60.29 x 41.19)	2940.783 SQ.M	72 CARS PARKING.
d	LOWER GROUND	41.18X53.16M	2189.12 SQ.M	55 CARS PARKING.
e	THIRD FLOOR	SAME AS FIRST FLOOR	1834.369 SQ.M.	51 CARS PARKING.
PLOT AREA	(PARKING)	55,000.82M		=4470.95 SQ.M. (5347.2 SQ.YARDS)
PERMISSIBLE GROUND COVERAGE		50%	2235.475 SQ.M	
PERMISSIBLE FAR (2.0)		2.0	4470.95 SQ.M	
PROPOSED FAR		1.41	3141.082 SQ.M	
PARKING REQUIRED		1 ECS PER 100 SQ.M	630.02 SQ.M	357 CARS PARKING.
	LEFT SIDE	45.55X6.M	273.3 SQ.M	7 CARS PARKING.
	RIGHT SIDE	45.55X6.M	273.3 SQ.M	7 CARS PARKING.
TOTAL COVERED AREA UNDER				
TOTAL PARKING UNDER				
AREA UNDER				
	FLOORS	CALCULATION		COVERED AREA
g	UPPER GROUND FLOOR			1977.9566 SQ.M
h	FIRST FLOOR			1807.772 SQ.M
k	FIFTH FLOOR			1054.448 SQ.M
l	SIXTH FLOOR			1088.644 SQ.M
i	SECOND FLOOR			1806.944 SQ.M
j	FOURTH FLOOR			1054.448 SQ.M

TOTAL COVERED AREA UNDER =(g+h+i+j+k+l) LOWER GROUND + THIRD FLOOR =(1977.9566+1807.772+1806.944+1054.448+1088.644) + (2189.12+1834.369) = 11759.253 SQ.M

TOTAL CONSTRUCTED AREA = (11759.253 SQ.M + 2940.783 + 2940.783 + 2940.783 + 2940.783) = 24522.385 SQ.M

AREA OF SEGMENT= (θ/360)-(SIN(θ))/2)X(AREA OF TRIANGLE)

AREA OF TRIANGLE= ½XBASE X HEIGHT

PROJECT:	DRAWING TITLE:	DRAWING NO.	
PROPOSED COMMERCIAL COMPLEX FOR M/S A MOTORS PVT. LTD. & OTHERS ON PLOT NO. 3 INDUSTRIAL AREA, PHASE -1 CHANDIGARH.	SITE PLAN	SD-01	1. GATE AND BOUNDARY WALL WILL BE AS PER ZONING. 2. T.T.S. CAP OF CISTERN WILL BE USED 3 MIN. SLOPE IN PIPES 1:40 4. SIZE OF I.C. AND G.T. ARE 18"x18" AND 12"x12" RESPECTIVELY
SITE PLAN	SCALE: 1:200	DATED: MAY,2010	

For M/S A MOTORS PVT. LTD.

CLIENT:

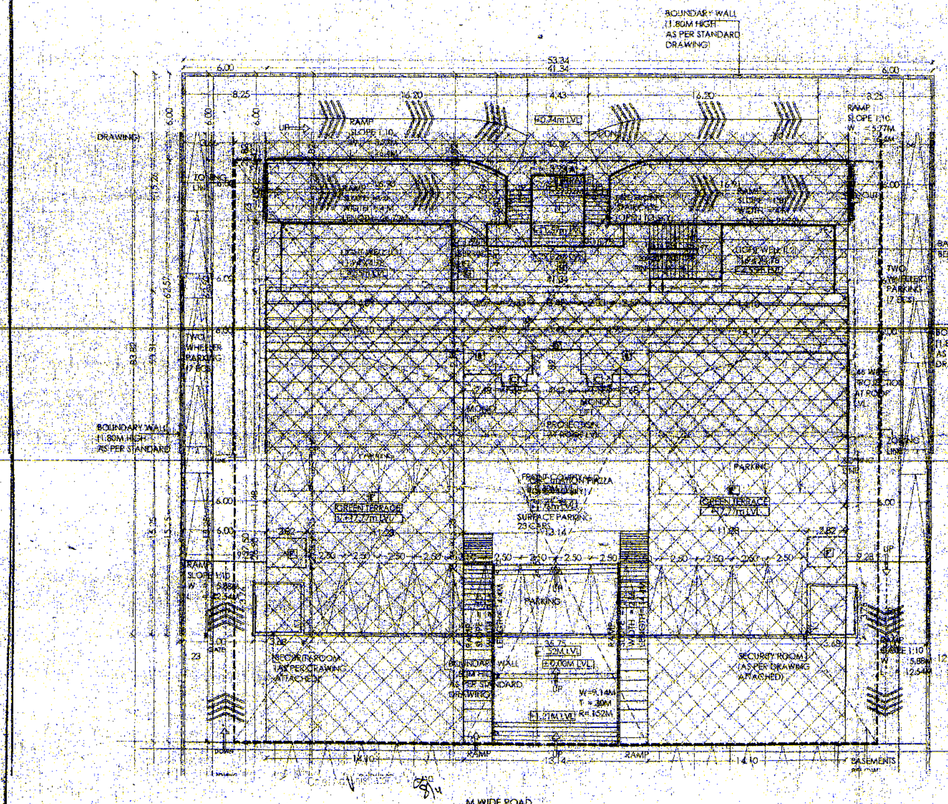
For DAIS BUILDERS

ARCHITECTS, PLANNERS, INTERIOR DESIGNERS, 6 FLOOR, SCO 149 (HR) 50 D 149 dyanco.com

SANCTIONED

For Estate Officer

Engineering Department



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For M/S A MOTORS PVT. LTD.

CLIENT:

For DAIS BUILDERS

ARCHITECTS, PLANNERS, INTERIOR DESIGNERS, 6 FLOOR, SCO 149 (HR) 50 D 149 dyanco.com

SANCTIONED

For Estate Officer

Engineering Department

"BERKELEY SQUARE" DEVELOPED BY BERKELEY REALTECH LIMITED
(COMMERCIAL)

(I) Basic Information

S. No.		Details
1	Name of the Project:	**BERKELY SQUARE**
2	Serial no. in schedule	**8-(a) Built-up area more than 20,000 sq mt.**
3	Proposed capacity	**Total land 4470.95 Sqm , Total built up area 22019.82Sqm**
4	New/Expansion/Modernization	**New (Commercial project)**
5	Existing capacity/Area	**NA. It is a new project**
6	Category of project	**B 2(Construction Project)**
7	Does it attract the general condition	**Not Applicable**
8	Does it attract the specific condition?	**No.**
9	i) Location of unit ii) Village/Town iii) Tehsil iv) District v) State	**Plot No 24, Industrial Area Phase I, Chandigarh** **Chandigarh** **Chandigarh** **U.T** **U.T**
10	a) Nearest Railway station b) Air Port	**Chandigarh** **Chandigarh**
11	Nearest town Nearest City Dist. Head Quarter	**Chandigarh** **Chandigarh** **Chandigarh**
12	Village Panchayat Zila Prishad	**DPO office Chandigarh**
13	Name of Applicant	**Ranjeev Dahuja**
14	Regd. Address	**Plot No 24, Industrial Area Phase I, Chandigarh**
15	Address for correspondence: Name Designation Address Pin Code E mail Telephone Fax No.	**Plot No 24, Industrial Area Phase I, Chandigarh** **Ranjeev Dahuja** **Authorized Signatory** **Plot No 24, Industrial Area Phase I, Chandigarh** **160002** **0172-5044008** **0172-5029999**
16	Detail of alternative site, if any	**Nil**
17	Interlinked Project	**Nil**
18	Whether separate application for interlinked project has been submitted	**N.A. In view of item No. 17 above.**
19	If, Yes Date of Submission	**N.A. In view of item No. 17 above.**
20	If no , reason	**N.A. In view of item No. 17 above.**
21	Whether proposal involves approval/clearance under: if yes, details of same and status to given a) Forest (conservation) 1980 b) Wild life protection Act 1972 c) CRZ notification 1991	**No. The unit does not fall in any notified reserved forest area** **No. The unit does not fall in any notified sanctuary area.** **No. The unit does not fall in any Notified coastal zone.**
22	Whether there is any Govt.	**No**

	order/policy relevant/relating site	
23	Forest land involved	**Nil**
24	Whether there is any litigation pending against the project and / or land in which is project is proposed to be setup: a) name of court b) Case No. c) Order/direction of court if any and its relevance with proposed project	**There is no litigation pending against the project and land. Information required against a, b & c is, therefore, not applicable.**

(II) Activity

1. **Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc.)**

Sr. No.	Information/Checklist confirmation	Yes / No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
1.1	Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan)	**No**	**The project site is located at Plot No 24, Industrial Area Phase I, Chandigarh and the promoter company has got the CLU done by the Competent Authority vide there letter No 9579 dated 17-3-2010.**
1.2	Clearance of existing land, vegetation and buildings?	**No**	**The proposed site was vacant land and no site clearance is required.**
1.3	Creation of new land uses?	**No**	**The promoter company has got the CLU done by the Competent Authority vide there letter No 9579 dated 17-3-2010**
1.4	Pre-construction investigations e.g. bore houses, soil testing?	**Yes**	**Pre-construction Soil Investigation has been carried out for the site.**
1.5	Construction works?	**Yes**	**Proposed Commercial Project**
1.6	Demolition works?	**No**	**No demolition is required.**
1.7	Temporary sites used for construction works or Housing of construction workers?	**No**	**All the construction activity including stalking of building materials will be confined within the project site only and temporary shed would be constructed for storage of cement and other construction materials.** **No temporary labour hutments are proposed. Local labours from nearby area will be hired.**
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	**Yes**	**Earthwork for the basement & foundation of structures will be carried out. The top soil, which is fertile, will be kept at site for landscaping work. The remaining soil will be partially used for back filling work, internal road construction and**

			the excess quantity will be used for development of external road widening.
1.9	Underground works including mining or tunneling?	**No**	**Except basement No underground works including mining / tunneling required.**
1.10	Reclamation works?	**No**	**No Reclamation work required.**
1.11	Dredging?	**No**	**No dredging work required.**
1.12	Offshore structures?	**No**	**No offshore structure required.**
1.13	Production and manufacturing processes?	**No**	**No production / manufacturing process involved.**
1.14	Facilities for storage of goods or materials?	**Yes**	**Separate raw material store of cement and other construction materials will be made within the project premises. Sand will be stacked neatly under tarpaulin cover. Bricks and steel will be laid in open.**
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	**Yes**	**Solid waste is about 360 Kg / day will be collected separately as Bio-degradable and Non-biodegradable waste as per the MSW Rules, 2000. The bio-degradable waste would be sent to approved site. The non-biodegradable and recyclable waste would be sold to the recyclers. Further, the spent oil from the D.G. sets (defined as hazardous waste) will be sold to approved recyclers as per E.P.A., 1996. The e-waste generated will be stored in an isolated room and will be sent to the manufacturers and will follow EPA Rules.** **Effluent: - The domestic sewage about 30.84 KL/day will be generated which will be treated through proposed Sewage Treatment Plant to be developed within the project premises.**
1.16	Facilities for long term Housing of operational workers?	**No**	**The operational workers will be hired locally therefore, no Housing facilities will be required for operational workers as this is a Commercial project.**
1.17	New road, rail or sea traffic during construction or operation?	**No**	**Not Applicable**
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	**No**	**Not Applicable**
1.19	Closure or diversion of existing transport routes or infrastructure	**No**	**Not Applicable**

	leading to changes in traffic movements?		
1.20	New or diverted transmission lines or pipelines?	**No**	**Not Applicable**
1.21	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?	**No**	**No impoundment, damming, culverting, realignment or other changes to the hydrology of surface water courses is proposed.**
1.22	Stream crossings?	**No**	**Not Applicable**
1.23	Abstraction or transfers of water form ground or surface waters?	**Yes**	**Tube wells**
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	**No**	**Surface drainage will not be affected.**
1.25	Transport of personnel or materials for construction, operation or decommissioning?	**Yes**	**Transportation of personnel / material during the construction and operation phases is envisaged. In the construction phase, approx. 10-15 trucks / day are envisaged.**
1.26	Long-term dismantling or decommissioning or restoration works?	**No**	**Not Applicable**
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	**No**	**Not Applicable**
1.28	Influx of people to an area in either temporarily or permanently?	**No**	**The proposed project is a Commercial Project and the proposed project would provide some job facilities in the operation phase and about 100-150 nos. of local labourers (skilled / unskilled) would be engaged during construction phase.**
1.29	Introduction of alien species?	**No**	**Not Applicable**
1.30	Loss of native species or genetic diversity?	**No**	**Not Applicable**
1.31	Any other actions?	**None**	

2**. Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply):**

S.No.	Information/checklist confirmation	Yes / No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural land (ha)	**Yes**	**Plot area 0.447 Hectares is the undeveloped land.**

2.2	Water (expected source & competing users) unit: KLD	**Yes**	**The total daily domestic water requirement for the proposed project would be 38.56 KL / day. The sources of water for the proposed project are: -** **1. Public Supply** **2. Recycling of treated effluent from STP.**
2.3	Minerals (MT)	**No**	**Not Applicable**
2.4	Construction material – stone, aggregates, sand / soil (expected source – MT)	**Yes**	**Steel, Sand, Bricks ,Cement**
2.5	Forests and timber (source – MT)	**Yes**	**Wood shall be used for frame, however recyclable wood shall be used for doors.**
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)	**Yes**	**Power Source 1808 KW : CHD Electricity Board & D.G. Sets (Standby arrangement) Fuel – Low Sulphur HSD**
2.7	Any other natural resources (use appropriate standard units)	**No**	**Not Applicable**

3. Use, storage, transport, handling or production of substances or materials, which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health.

S. No	**Information/Checklist confirmation**	**Yes / No**	**Details thereof (with approximate quantities/rates, wherever possible) with source of information data**
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies)	**Yes**	**There will be no storage of hazardous chemicals (as per MSIHC Rules) will be done, apart from used oil from D.G. Sets and suitable arrangement will be adopted for the same. It will be stored in HDPE drums and kept in covered rooms under lock and key and will be sold as per EPA Rules to approved recyclers only.**
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	**No**	**Suitable drainage and waste management measures will be adopted in both the construction and operation phase which will restrict stagnation of water and accumulation of water. This will effectively restrict the reproduction and growth of disease vectors.**
3.3	Affect the welfare of people e.g. by changing living conditions?	**No**	**No use, storage, treatment, handling or production is envisaged from the proposed the**

			human health / environment are envisaged. Moreover this project will provide employment to about 100 - 150 local labours in the construction phase. Thus the proposed project is supposed to have major beneficial impacts.
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	**No**	**Not Applicable**
3.5	Any other causes	**None**	

4. Production of solid wastes during construction or operation or decommissioning (MT/month)

S. No.	**Information/Checklist confirmation**	**Yes / No**	**Details thereof (with approximate quantities/rates, wherever possible) with source of information data**
4.1	Spoil, overburden or mine wastes	**No**	**No such spoil over burden or mine waste will be generated.**
4.2	Municipal waste (domestic and or commercial wastes)	**Yes**	**The total Municipal solid waste generated from the proposed complex would be about 360 Kg / Day.**
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	**Yes**	**Used Oil from the D.G. Sets will be sold to the CPCB approved recyclers. Used oil will be stored in HDPE drums in isolated covered facility.**
4.4	Other industrial process wastes	**No**	**Not Applicable**
4.5	Surplus product	**No**	**Not Applicable**
4.6	Sewage sludge or other sludge from effluent treatment	**Yes**	**Dried sludge from S.T.P. will be used as manure in green area.**
4.7	Construction or demolition wastes	**Yes**	**Construction waste only, will be used for filling of low lying area**
4.8	Redundant machinery or equipment	**No**	**Not Applicable**
4.9	Contaminated soils or other materials	**No**	**Not Applicable**
4.10	Agricultural wastes	**No**	**Not Applicable**
4.11	Other solid wastes	**Yes**	**Some horticulture waste will be generated and which will be disposed along with bio-degradable waste.**

5. Release of pollutants or any hazardous, toxic or noxious substances to air (Kg/hr)

S. No.	**Information/Checklist confirmation**	**Yes / No**	**Details thereof (with approximate quantities / rates, wherever possible) with source of information data**

5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	**Yes**	**The operation of proposed project does not envisage any major air pollutant generating sources except D.G. Sets and vehicular movement.**
5.2	Emissions from production processes	**No**	**Not Applicable**
5.3	Emissions from materials handling including storage or transport	**Yes**	**This will be restricted to the construction phase and within the project site only.**
5.4	Emissions from construction activities including plant and equipment	**Yes**	**This will be restricted to the construction phase and within the project site only.**
5.5	Dust or odours from handling of materials including construction materials, sewage and waste	**Yes**	**The proposed project is a Commercial Project and during construction phase dust will be generated from the construction material. Sprinklers will be installed during construction phase to minimize the dust generation.**
5.6	Emissions from incineration of waste	**No**	**Not Applicable**
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	**No**	**Not Applicable**
5.8	Emissions from any other sources	**No**	**Not Applicable**

6.0 Generation of Noise and Vibration, and Emissions of Light and Heat:

S. No.	**Information / Checklist confirmation**	**Yes / No**	**Details thereof (with approximate quantities/rates, wherever possible) with source of information data**
6.1	From operation of equipment e.g. engines, ventilation plant, crushers	**Yes**	**During construction, the machinery used for construction will be of highest standard of reputed make and will adhere to international standards. These standards itself take care of noise pollution control. Hence insignificant impacts due to construction machinery are envisaged.** **Apart from this, the construction activity will be restricted to day time only. Noise shall be created from operation of D.G. Sets but all the D.G. Sets shall be acoustically treated to restrict the noise within the permissible limit.**
6.2	From industrial or similar processes	**No**	**Not Applicable**

6.3	From construction or demolition	**Yes**	**Due to the various construction activities there will be short term noise impacts in the immediate vicinity of the project site. The construction activity will include the following noise generation activities: Operation of D.G. Sets, concreting and mixing. Excavation, jack hammer, etc.**
6.4	From blasting or piling	**No**	**No blasting or mechanized piling will be used in the construction phase.**
6.5	From construction or operational traffic	**Yes**	**Some amount of noise will be generated from vehicular movement in the construction and operation phase.**
6.6	From lighting or cooling systems	**No**	**Not Applicable**
6.7	From any other sources	**No**	**Not Applicable**

7. Risks of contamination of land or water from releases of pollutants into the ground or into sewers, surface waters, groundwater, coastal waters or the sea:

S. No.	**Information/Checklist confirmation**	**Yes / No**	**Details thereof (with approximate quantities/rates, wherever possible) with source of information data**
7.1	From handling, storage, use or spillage of hazardous materials	**No**	**Used Oil from the D.G. Sets will be stored in a separate place and would be disposed as per EPA Rules, to approved recyclers. Used oil will be stored in HDPE drums in isolated covered facility.**
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	**No**	**Sewage will be disposed off through proposed Sewage Treatment Plant to be developed within the premises.**
7.3	By deposition of pollutants emitted to air into the land or into water	**No**	**Not Applicable**
7.4	From any other sources	**No**	**Not Applicable**
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	**No**	**Not Applicable**

8. Risk of accidents during construction or operation of the Project, which could affect human health or the environment

S. No.	**Information/Checklist confirmation**	**Yes / No**	**Details thereof (with approximate quantities/rates, wherever possible) with source of information data**
8.1	From explosions, spillages, fires etc from storage, handling, use or	**No**	**This is basically a Commercial Project and does not involve**

	production of hazardous substances		**major hazardous construction activity. Hence chances of explosions, spillages, fire are minimal.** **During Construction all the labours will be provided with suitable personal protective equipment (PPE) as required under the health & safety norms. Training and awareness about the safety norms will be provided to all supervisors and labours involved in construction activity. No major hazardous waste is being stored within the project site. No Industrial or process activity is involved in this project hence chances of chemical hazards and accidents are minimal. However, suitable fire fighting measures will be provided.**
8.2	From any other causes	**No**	**Not Applicable**
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?	**No**	**Not anticipated as yet**

9. Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality

S. No.	**Information/Checklist confirmation**	**Yes / No**	**Details thereof (with approximate quantities/rates, wherever possible) with source of information data**
9.1	Lead to development of supporting utilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: • Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.)	**Yes**	**Appropriate infrastructure like roads, power supply, waste management and waste water treatment will be developed within the site so that chances of occurrence of any adverse impacts are minimized.** **During construction skilled, unskilled and professional work force including temporary and permanent employees shall be hired locally in order to generate the employment to the local people. While during the project operation stage for the purpose of**

			day-to-day maintenance, workers will be employed. Moreover, more employment will be created as a result of positive induced development in the immediate vicinity of project site. **Commercial Project**
	• Housing development	**No**	**Not Applicable**
	• extractive industries	**No**	**Not Applicable**
	• supply industries	**No**	**Not Applicable**
	• other	**No**	
9.2	Lead to after-use of the site, which could have an impact on the environment	**No**	**Not Applicable**
9.3	Set a precedent for later developments	**No**	**Not Applicable**
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	**No**	**Not Applicable**

(I) Environmental Sensitivity

S. No.	**Areas**	**Name/ Identity**	**Aerial distance (within 15 km.) Proposed project location boundary**
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value	**No**	**Not Applicable**
2	Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests	**No**	**Not Applicable**
3	Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration	**None**	**Not Applicable**
4	Inland, coastal, marine or underground waters	**Yes**	**There is no coastal area near the project site. The geology of the area is predominated by silty sand.**
5	State, National boundaries	**None**	**Not Applicable**
6	Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas	**No**	**Not Applicable**
7	Defense installations	**No**	**Not Applicable**
8	Densely populated or built-up area	**Yes**	**Chandigarh Town**

9	Areas occupied by sensitive man-made land uses *(hospitals, schools, places of worship, community facilities)*	**Yes**	**Several Hospitals, Schools, Temples etc. areas are located near the project site within 15 KM radius.**
10	Areas containing important, high quality or scarce resources *(ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)*	**No**	
11	Areas already subjected to pollution or environmental damage. *(those where existing legal environmental standards are exceeded)*	**No**	**No critically polluted area is located within 20 KM radius.**
12	Areas susceptible to natural hazard which could cause the project to present environmental problems (*earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions*)	**No**	**The area under study falls in Zone – IV, according to the Indian Standards Seismic Zoning Map. Suitable seismic coefficients in horizontal and vertical directions respectively have to be adopted while designing the structures.**

Proposed Terms of Reference for EIA studies

Ans. The proposed project is having built-up area 22019.82 Sqm which is more than 20,000 Sqm and therefore, as per EIA Notification, 2006, the proposed project falls under 8 (a) and hence EIA Study is not required for this project.

I hereby give undertaking that the data and information given in the application and enclosures is true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any, to the project will be revoked at our risk and cost.

Date: 04/08/2014 **Signature of Applicant**

Place: Chandigarh **(Authorized Signatory)**

FORM - I-A

CHECK LIST OF ENVIRONMENTAL IMPACTS

1. LAND ENVIRONMENT

	QUERY	REPLY
1.1	Will the existing land use get significantly altered from the project that is not consistent with the surroundings? Attach Maps of (I) site location, (ii) surrounding features of the proposed site (within 500 meters) and (iii) the site (indicating levels & contours) to appropriate scales. If not available attach only conceptual plans.	**The project site is located at Plot No 24, Industrial Area Phase I, Chandigarh** **The total land area of the site is 4470.95 Sqm and the total built up area of the project will be 22019.82 Sqm which is more than 20000 Sqm.** **The approved Site plan & plan showing the building , internal roads, entry exist, parking area, plumbing and other utilities are attached**
1.2	List out all the major project requirements in terms of the land area, built up area, water consumption, power requirement, connectivity, community facilities, parking needs etc.	**Land Area = 4470.95 Sqm** **Built-up Area = 22019.82 Sqm.** **Water Consumption= 38.56 KLD** **Power = 1808 KW** **Parking = 358 ECS within the complex**
1.3	What are the likely impacts of the proposed activity on the existing facilities adjacent to the proposed site?	**Due to increase in population there will be some increase in vehicular traffic which is a part of the overall development in the area.**
1.4	Will there be any significant land disturbance resulting in erosion, subsidence & instability?	**No**
1.5	Will the proposal involve alteration of natural drainage systems? (Given details on a contour map showing the natural drainage near the proposed project site)	**There will be no obstruction of natural drainage system. There is provision of rain water harvesting and the site is in the developed area of the city.**
1.6	What are the quantities of earthwork involved in the construction activity cutting, filling, reclamation etc.	**The earth work for basement & foundation excavation is involved which will be used in the premises for filling under floor and other area. No extra earth work is required.**
1.7	Give details regarding water supply, waste handling etc. during the construction period.	**About 10-15 m^3/day water needed for construction. No waste water to flow outside.**
1.8	Will the low lying areas & wetlands get altered?	**No.**

1.9	Whether construction debris & waste during construction cause health hazard?	**The solid waste generated during development phase shall mainly consist of soil mixed with stone chipping, Cement mortar residue and wood waste, cardboards and masonry. It will be utilized for filling within the premises under floors and other low lying areas.**

2. WATER ENVIRONMENT

2.1	Give the total quantity of water requirement for the proposed project with the breakup of requirements for various uses. How will the water requirement met? State the sources & quantities and furnish a water balance statement.	**For domestic use = 38.56 m ^{3}/day** **Source: Own Tube well** **The breakup of water requirement & Water balance is attached.**
2.2	What is the capacity of the proposed source of water?	**The major source of water for the proposed project will be public supply. The flushing water requirements will be fulfilled through treated waste water from STP to be installed within the project premises.**
2.3	What is the quality of water required, in case, the supply is not from a municipal source?	**Potable water quality**
2.4	How much of the water requirement can be met from the recycling of treated wastewater?	**About 13 m^3/day of treated waste water will be used for flushing purpose within the premises.**
2.5	Will there be diversion of water from other users?	**No**
2.6	What is the incremental pollution load from wastewater generated from the proposed activity?	**Negligible, the treated waste water will be reused for flushing and partly discharged into public sewer.**
2.7	Give details of the water requirements met from water harvesting? Furnish details of the facilities created.	**About 2408 m^3/annum of rain water is estimated to be discharged into the ground water through rain water harvesting wells.**
2.8	What would be the impact of the land use changes occurring due to the proposed project on the runoff characteristics of the area in the post construction phase on a long term basis? Would it aggravate the problems of flooding or water logging in any way?	**There would be no impact on the land use changes due to the construction of the proposed project. It is proposed to harvest the entire run-off from the site. It is observed that the run off after development will be less than the run off before the development of the project.**
2.9	What are the impacts of the proposal on the ground water?	**There will be no impact on the ground water as the promoter company will use municipal supply. The treated waste water**

		will be utilized and the Rain water harvesting system will be provided to recharge the ground water.
2.10	What precautions/measures are taken to prevent the run-off from construction activities polluting land & aquifers?	**There will be no run off from the construction activities. Water during construction shall be consumed totally.**
2.11	How is the storm water from within the site managed?	**The entire run off will be harvested through rain water harvesting pits. The roof runoff will be recharged directly to the ground. The surface runoff will be properly channelized to the de-silting and oil removal before the recharge.**
2.12	Will the deployment of construction labourers particularly in the peak period lead to unsanitary conditions around the project site.	**No. Local labour shall be engaged who will not stay there. Moreover toilets with septic tank will be provided.**
2.13	What on-site facilities are provided for the collection, treatment & safe disposal of sewage?	**Sewerage system will be provided for collection of domestic waste water and S.T.P. will be provided for the treatment of the same. A part of treated waste water shall be used for flushing within the premises and the balance waste water will be discharged in to public sewer.**
2.14	Give details of dual plumbing system if treated waste used is used for flushing of toilets or any other use.	**Dual plumbing will be provided. A part of treated waste water shall be used for flushing and the balance waste water will be discharged in to the public sewer.**

3. VEGETATION

3.1	Is there any threat of the project on the biodiversity?	**No.**
3.2	Will the construction involve extensive clearing or modification of vegetation?	**No.**
3.3	What are the measures proposed to be taken to minimize the likely impacts on important site features.	**N/A**

4. FAUNA

4.1	Is there likely to be any displacement of fauna-both terrestrial and aquatic or creation of barriers for their movement? Provide the details.	**No.**
4.2	Any direct or indirect impacts on the avifauna of the area? Provide details.	**No.**
4.3	Prescribe measures such as corridors, fish ladders etc. to mitigate adverse impacts on fauna.	**Not required**

5. AIR ENVIRONMENT

5.1	Will the project increase atmospheric concentration of gases & result in heat islands?	**No.**
5.2	What are the impacts on generation of dust, smoke, odorous fumes or other hazardous gases? Give details in relation to all the meteorological parameters.	**No impact of any type of Air Pollution on Environment from the complex.**
5.3	Will the proposal create shortage of parking space for vehicles? Furnish details of the present level of transport infrastructure and measures proposed for improvement including the traffic management at the entry & exit to the project site.	**No. It will provide enough parking spaces within the complex. However some increase in traffic on the road outside is expected.**
5.4	Provide details of the movement patterns with internal roads, bicycle tracks, pedestrian pathways, foot paths etc, with areas under each category.	**Details given in the Approved Site Plan.**
5.5	Will there be significant increase in traffic noise & vibration? Give details of the sources and the measures proposed for mitigation of the above.	**No. NO – HORN sings will be displayed at various places.**
5.6	What will be the impact of DG sets & other equipment on noise levels & vibration in & ambient air quality around the project site? Provide details.	**The D.G. set which would be used for the project will be with sound proof acoustic enclosures and hence there will be not impact to the surroundings. The D.G. set would be attached with proper anti vibration pads to reduce to any vibration impact to the site surrounding. The flue gases from the D.G. set will be vented out through stack of appropriate height as per C.P.C.B. norms to reduce the impacts on air quality around the project site.**

6. AESTHETICS

6.1	Will the proposed constructions in any way result in the obstruction of a view, scenic amenity or landscapes? Are these considerations taken into account by the proponents?	**No.**
6.2	Will there be any adverse impacts from new constructions on the existing structures? What are the considerations taken into account?	**No.**

6.3	Whether there are any local considerations of urban form & urban design influencing the design criteria? They may be explicitly spelt out.	**The proposed project would be constructed in conformity with the Local Building rules.**
6.4	Are there any anthropological or archaeological sites or artefacts nearby? State if any other significant features in the vicinity of the proposed site have been considered.	**No.**

7. SOCIO ECONOMIC ASPECTS

7.1	Will the proposal result in any changes to the demographic structure of local population? Provide the details.	**There would be no changes to the demographic structure of local population although jobs for weaker section during operation phase will be generated.**
7.2	Give details of the existing social infrastructure around the proposed project.	**The proposed project is located at Plot No 24, Industrial Area Phase I, Chandigarh where a number of other projects like commercial, hotels are coming.**
7.3	Will the project cause adverse effects on local communities, disturbance to sacred sites or other cultural values? What are the safeguards proposed?	**The project would not cause any adverse effects on local communities, disturbance to sacred sites or other cultural values because the proposed project is a Commercial project.**

8. BUILDING MATERIAL

8.1	May involve the use of building materials with high-embodied energy. Are the construction materials produced with energy efficient processes?	**It is proposed that fly ash, shall be used for mixing with cement there by reducing the consumption of sand. Bricks and tiles made of material with fly ash shall be preferred over ordinary bricks and tiles. Use of readymade concrete made up of fly ash in place of loose earth for filling purposes within the complex shall be encouraged.**
8.2	Transport and handling of materials during construction may result in pollution, noise & public nuisance. What measures are taken to minimize the impacts?	**Vehicles will be asked not to blow horn within the area. "NO HORN" signboard will be displayed on the site". Water will be sprinkled on roads to avoid dust. All the vehicles with PUC certificate will be allowed for transportation & handling of material during construction.**

8.3	Are recycled materials used in roads and structures? State the extent of savings achieved?	**Yes, about 10% to 15 %.**
8.4	Give details of the methods of collection, segregation & disposal of the garbage generated during the operation of the project.	**Segregation of solid waste will be done at the source and door to door collection system will be provided. The recyclable solid waste will be sold to the venders and the organic/ inert waste shall be sent to the designated disposal site.**

9. ENERGY CONSERVATION

9.1	Give details of the power requirements, source of supply, backup source etc. What is the energy consumption assumed per square foot of built-up area? How have you tried to minimize energy consumption?	**About 1808 K.W. to be supplied by CEB. Backup power given by the proponent. CFL will be used for saving energy. Energy saving details is attached.**
9.2	What type of, and capacity of, power back-up do you plan to provide?	**The project proponent has made provision of D.G. Sets as standby arrangement of electricity.**
9.3	What are the characteristics of the glass you plan to use? Provide specifications of its characteristics related to both short wave and long wave radiation?	**The glass used will be low with low emissivity and low U value which will be meeting the specification of ECBC code.**
9.4	What passive solar architectural features are being used in the building? Illustrate the applications made in the proposed project.	**All the relevant features such as the orientation of the building, shading effect etc has been incorporated**
9.5	Does the layout of streets & buildings maximize the potential for solar energy devices? Have you considered the use of street lighting, emergency lighting and solar hot water systems for use in the building complex? Substantiate with details.	**Due consideration has been given for maximum use of the solar energy while preparations of layout plan. The project proponent shall made provision for solar panel system (hot water purpose) and solar energy devices will be used for street lighting, emergency lighting in the proposed project.**
9.6	Is shading effectively used to reduce cooling/heating loads? What principles have been used to maximize the shading of Walls on the East and the West and the Roof? How much energy saving has been effected?	**All the relevant features like the orientation of the building, shading effect etc has been incorporated. Bushy and tall trees have been planned along boundary wall and along roads.**
9.7	Do the structures use energy-efficient space conditioning, lighting and mechanical systems? Provide technical details. Provide details of the transformers and motor efficiencies, lighting intensity	**Promoters will use central air conditioning system and Use of compact fluorescent lamps and low voltage lighting, energy efficient D.G sets and other**

	and air-conditioning load assumptions? Are you using CFC and HCFC free chillers? Provide specifications.	**machinery.** **VARIABLE VOLUME CHILLED WATER PUMPING:** **Concept:** **All the air-conditioning equipment are sized for the peak cooling load requirement. However, more than 90% of the time the cooling load is off – peak. Normally, all the time, the chilled water flow remains constant at the peak design value. If the chilled water flow rate is reduced as the cooling load reduces there is an equivalent saving on the pump BHP. This reduction in pump BHP is achieved by using a VFD on pump motor and differential pressure sensors in the piping loop. It is recommended to install full capacity secondary chilled water pumps for the complete project in Phase-I itself.** **Advantages:** • **Savings in chilled water pumps operating energy as most of the time the pumps will operate at reduced BHP.** • **As commercial project have a lot of shifting and variable loads, with variable volume pumping and 2-way control valves, chilled water piping can be sized on the diversified block peak load instead of cumulative zone peaks.** ▪ **Chilled water flow across chillers can be balanced at optimal performance rate.** **VARIABLE FRESH AIR ARRANGEMENT FOR PUBLIC SPACES:** **Concept:** **Public spaces e.g. lobbies, restaurants etc. often have widely fluctuating occupancies in these types of projects. If the fresh air intake to serving these**

		spaces is also made to vary with the occupancy, instead of keeping it constant at its maximum value as is done conventionally, the fresh air load on the air-conditioning system will also reduce correspondingly. **Advantages:** • **When occupancy is low, the fresh air load on the air-conditioning system is also low, thus, saving on the operating energy.**
9.8	What are the likely effects of the building activity in altering the micro-climates? Provide a self assessment on the likely impacts of the proposed construction on creation of heat is land & inversion effect?	**Building activity certainly alters the microclimate. It affects flora and fauna to some extent, generates pollution and creates heat island effect. Heat island affect will be mitigated through greenbelt development and lawns, by growing creepers on the boundary wall and if possible, by terrace garden. Roof will be insulated by PUF insulation. These all measures are known for reducing heat island effect. Greenbelt development and terrace gardens help to reduce the impact of inversion too. Increase in traffic generation and occasional use of DG sets may result in little increase in atmospheric concentration of gases. In order to bring down the pollution level to its permissible values (as per the directives of pollution Control Board), the project proponent will use only low Sulphur fuel i.e. 0.25% or lower and install an Acoustic Enclosure/ canopy over this D.G. set to achieve minimum 25 dBA insertion loss as per CPCB regulation.**
9.9	What are the thermal characteristics of the building envelope? (a) roof; (b) external walls; and (c) fenestration? Give details of the material used and the U-values or the R values of the individual components.	**The building is totally air conditioned. The configuration of the building is such that it absorbs minimum heat. The glass used is reflective which also doesn't allow much heat to enter**

		in the building. Architectural features and land scape provided shading to the building surface to prevent transmission of heat to the interior.
9.10	What precautions & safety measures are proposed against fire hazards? Furnish details of emergency plans.	***List of equipments proposed for Fire Fighting Measures:-*** ***A. The major equipments proposed for Fire Fighting Measures are Main Hydrant Pump, Sprinkler Pump, Diesel Engine Pump, Jockey Pump.*** ***B. Capacity of Fire Water Storage Tanks & Number: -*** ***It is proposed to have underground Fire Water Storage Tank of 100 KL capacity for firefighting purposes.*** ***C. Fire Detecting Equipments: -*** ***The Fire Detecting Equipments would be as per BIS and NBC norms.*** ***D. Other Fire Fighting Measures: -*** ***The other Fire Fighting Measures proposed includes, an Emergency Control Room, Smoke Detector, Fire Extinguishers at each entry and exit point on each floor, (5 Kg, 10 Kg and 9 Ltr. capacity), Public address system etc. The Fire Fighting Measures are backed by Electrical supply from D.G. sets in case of emergency.***
9.11	If you are using glass as wall material provides details and specifications including emissivity and thermal characteristics.	**The glass will be used Low-e glass. Opaque assemblies shall be modeled as having the same heat capacity as the proposed design but with minimum U-factor**
9.12	What is the rate of air infiltration into the building? Provide details of how you are mitigating the effects of infiltration.	**Infiltration is the uncontrolled inward air leakage through cracks and crevices in any building element and around windows and doors of a building caused by pressure differences across these elements due to factors such as wind, inside and outside**

		temperature differences, and imbalance between supply and exhaust air systems. Reduced air filtration combined with proper ventilation can not only reduce energy bills but also improve the quality of indoor air. Outdoor air that leaks indoor makes it difficult to maintain comfort and energy efficiency. In addition, air leakage account for 25-40% of the energy used for heating and cooling in a typical house.
9.13	To what extent the non-conventional energy technologies are utilized in the overall energy consumption? Provide details of the renewable energy technologies used.	**The source of non conventional energy in the proposed project is as follows:** **a. Solar Street Light: -** **It is also suggested to use solar cell powered street lights within the proposed project site for conservation of electricity.** **b. Use of CFL/LED Lamps: -** **The project proponent would use CFL/LED Lamp which conserves less electricity.** **c. Lighting: -** **All buildings of the proposed project is designed with natural ventilation and natural light so that the use of lights during day time can be minimized.**

10. ENVIRONMENT MANAGEMENT PLAN

10.1	The Environment Management Plan would consist of all mitigation measures for each item wise activity to be undertaken during the construction, operation and the entire life cycle to minimize adverse environmental impacts as a result of the activities of the project. It would also delineate the environmental monitoring plan for compliance of various environmental regulations. It will State the steps to be taken in case of emergency such as accidents at the site including fire.	**The detail of the complete Environment Management Plan of the project has been enclosed.**

Environmental Management Plan

Sr. No.	Potential Impact	Action	Parameters for Monitoring	Timing
I. Construction Phase				
1.	Air Emissions	All equipments are operated within specified design parameters	Random checks of equipment logs/manuals	Construction Activities
		Vehicle trips to be minimized to the extent possible	Vehicle logs	Site Clearance and Construction Activities
		Any dry, dusty materials stored in sealed containers or prevented from blowing.	Absence of stockpiles or open containers of dusty materials.	Construction Activities
		Compaction of soil during various construction activities	Construction logs	Construction Activities
		Ambient air quality within the premises of the proposed unit to be monitored.	The ambient air quality will conform to the standards for SPM, RPM, SO_2 and NOx, CO and Pb	As per PCC requirement
2.	Noise	List of all noise generating machinery onsite along with age to be prepared. Equipment to be maintained in good working order.	Equipment logs, noise reading	During construction phase
		Night working is to be minimized.	Working hour records	Construction Activities
		Generation of vehicular noise	Maintenance records of vehicles	During construction phase.
		Implement good working practices (equipment selection and sitting) to minimize noise and also reduce its impacts on human health (ear muffs, safe distances, and enclosures).	Site working practices records, noise reading	During construction phase
		No machinery running when not required.		

		Acoustic mufflers / enclosures to be provided in large engines	Mufflers / enclosures in place	Prior to use of equipment.
Sr. No.	Potential Impact	Action	Parameters for Monitoring	Timing
		Noise to be monitored in ambient air within the plant premises.	Noise reading	As per PCCB requirement or on quarterly basis whichever is earlier.
		The noise level will not exceed the permissible limit both during day and night times.		
		All equipments operated within specified design parameters.	Random checks of equipment logs / manuals	During construction phase.
		Vehicle trips to be minimized to the extent possible	Vehicle logs	During construction phase
3.	Waste water Discharge	No untreated discharge to be made to surface water, ground water or soil	No discharge hoses in vicinity of watercourses.	During construction phase.
		The discharge point should be selected properly and sampling and analysis should be undertaken prior to discharge	Discharge norms for effluents as given in consent to operate by PCCB.	During construction phase
		Take care in disposal of wastewater generated such that soil and groundwater resources are protected	Discharge norms for effluents as given in consent to operate by PCCB	
4.	Soil Erosion	Minimize area extent of site clearance, by staying within the defined boundaries	Site boundaries not extended / breached as per plan document	During construction phase
		Protect topsoil stockpile where possible at edge of site	Effective cover in place	During construction phase
5.	Drainage and effluent Management	Ensure drainage system and specific design measures are working effectively. The design to incorporate existing drainage pattern and avoid disturbing the same.	Visual inspection of drainage and records thereof	During construction phase

6.	Waste Management	Implement waste management plan that identifies and characterizes every waste arising associating with proposed activities and which identifies the procedures for collection handling & disposal of each waste arising.	Comprehensive waste management plan in place and available for inspection on site. Compliance with MSW Rules, 1998 and Hazardous Waste (Management and Handling Rules), 2003	Prior to site clearance
7.	Non-routine events and cooldental releases	Plan to be drawn up Considering likely emergencies and steps required to prevent / limit consequences	Mock drills and records of the same	During construction phase
8.	Environmental Management Cell/Unit	The Environmental Management Cell / Unit is to be set up to ensure implementation and monitoring of environmental safeguards.	A formal letter from the management indicating formation of Environment Management Cell	During construction phase
II. Operational Phase				
9.	Air Emissions	Stack emissions from DG set to be optimized and monitored	The ambient air quality will conform to the standard for PM_{10} & $PM_{2.5}$ SO2, and NOx, CO as given by PCC.	During operation phase
		Ambient air quality within the premises of the proposed unit to be monitored. Exhaust from vehicles to be minimized by use of fuel efficient vehicles and well maintained vehicles having PUC certificate.	The ambient air quality will conform to the standards for PM_{10} & $PM_{2.5}$ as given by PCC Vehicles logs to be maintained	During operation phase
		Vehicle trips to be minimized to the extent possible	Vehicle logs	During operation phase

10.	Noise	Noise generated from operation of DG set to be optimized and monitored DG sets to generate less than 75 dB(A) Leg at 1.0 m from the source DG sets are to be provided with a acoustic enclosures with height of chimney 7.0 m above roof level or as specified by PCC	Maintain records of vehicles	During operation phase
		Generation of vehicular noise	Maintain records of vehicles	During operation phase
11.	Wastewater Discharge	No untreated discharge to be made to surface water, groundwater or soil	No discharge hoses in vicinity of watercourses	During operation phase
		Take care in disposal of wastewater generated such that Soil and groundwater resources are protected	Discharge norms for effluent	During operation phase
12.	Drainage and effluent Management	Ensure drainage system and specific design measures are working effectively. Design to incorporate existing drainage pattern and avoid disturbing the same.	Visual inspection of drainage and records thereof	During operation phase
13.	Indoor air contamination	Contaminants such as CO, CO2 and VOCs to be reduced by providing adequate ventilation.	Monitoring of indoor air contaminants such as CO, CO2 and VOCs	During operation phase
14.	Energy Usage	Energy usage for air-conditioning and other activities to be minimized Conduct annual energy audit for the buildings	Findings of energy audit report	During operation phase
15.	Emergency preparedness, such as fire fighting	Fire protection and safety measures to take care to fire and explosion hazards to be assessed and steps taken for their prevention.	Mock drill records, on site emergency plan, evacuation plan	During operation phase

16.	Environment Management Cell/Unit	The Environment Management Cell/Unit to be set up to ensure implementation and monitoring of Environmental safeguards	A formal letter from the management indicating formation of Environment Management Cell	During operation phase

(B) ENVIRONMENTAL MONITORING PLAN

The environmental monitoring programmed is a vital process in the management Plan for any construction project. This helps in signaling the potential problems that would result from the proposed project and will allow for prompt implementation of effective corrective measures. The environmental monitoring will be required during construction and operational phases.

Water Quality and Public Health

Since water contamination leads to various water related diseases, the project authorities shall establish a procedure for water quality surveillance and ensure safe water for the consumers. A detailed epidemiological study related to water borne diseases shall be carried out and the data shall be complied for every year in the project area. This data would help the authority in finding out the trends for incidence of water related diseases prevalent in the area, which would help them to take suitable remedial measures for reducing or eradicating the occurrence of these diseases in future.

Water quality parameters shall be monitored before and after the completion of the project. Monitoring shall be carried out on quarterly basis to cover seasonal variations. Water quality shall be analyzed by applying the standard techniques. The parameters recommended for monitoring are as follows:

• pH • Dissolved Oxygen • Biochemical Oxygen Demand • Chemical Oxygen Demand • Total Dissolved Solids • Total Suspended Solids • Total Alkalinity • Temperature • Total Hardness • Calcium • Temperature	• Calcium • Magnesium • Iron • Chloride • Sulphate • Nitrate • Fluoride • Total Nitrogen • Total Phosphate • Total Coli forms

Air and Noise Quality Monitoring

The attributes to be monitored as a part of the mitigation measures are Air Quality, Noise Levels; the monitoring programme for the construction and operation stage is presented in Table given below:

Monitoring Programme during Construction and Operation Stage

Ambient Air Quality Monitoring		
1.	Parameters to be monitored	PM_{10} & $PM_{2.5}$
2.	Sampling Methodology	The air quality monitoring should be conducted using High Volume Samplers.
3.	No. of Locations	Three locations as one in upwind direction and two locations in downwind direction to be monitored.
4.	Frequency of Measurements	Quarterly in a year @ two days per monitoring
5.	Compliance	The monitoring results should be compared with the National Ambient Air Quality Standards.
Noise Quality Monitoring		
1.	Parameters to be monitored	Hourly equivalent noise levels for 24 hours
2.	Sampling Methodology	The noise levels should be recorded using a portable hand held noise level meter.
3.	No. of locations	Four locations at boundary fence corner of the complex.
4.	Frequency of Measurements	On quarterly basis in a year
5.	Compliance	The monitoring results should be compared with the National Ambient Noise Quality Standards

Water and Waste Water Quality Monitoring

Water and Wastewater sample shall be analyzed to meet the drinking water standard and municipal sewer discharge standards respectively.

Water and Wastewater Quality Monitoring

Water Quality Monitoring:		
1.	Parameters to be monitored	As per IS 10500:1991 and amendments as enacted
2.	No. of Location	One locations each at intake and after treatment
3.	Frequency of Measurements	At least Once in a season
4.	Compliance	The monitoring results should be compared with the Preferable and Permissible limits of IS 10500:1991.
Wastewater Quality Monitoring:		

1.	Parameters to be monitored	BOD, COD, TDS, TSS, Oil and Grease, Heavy Metals, like Pb, Cd, Zn, Hg, Cr, As etc. as per methods specified in APHA
2.	No. of Locations	At intake of Effluent Treatment Plant and at Point of discharge
3.	Frequency of Measurements	One in a season
4.	Compliance	As per Land Disposal standards of MoEF

ENVIRONMENTAL MONITORING COMMITTEE

The Environmental monitoring committee will be constituted to ensure proper operation and management of various environmental issues. The Committee will consist of environmentalist and manager operations. The task assigned should include supervision and co-ordination of studies, monitoring and Implementation of environmental mitigation measures.

Water Requirement

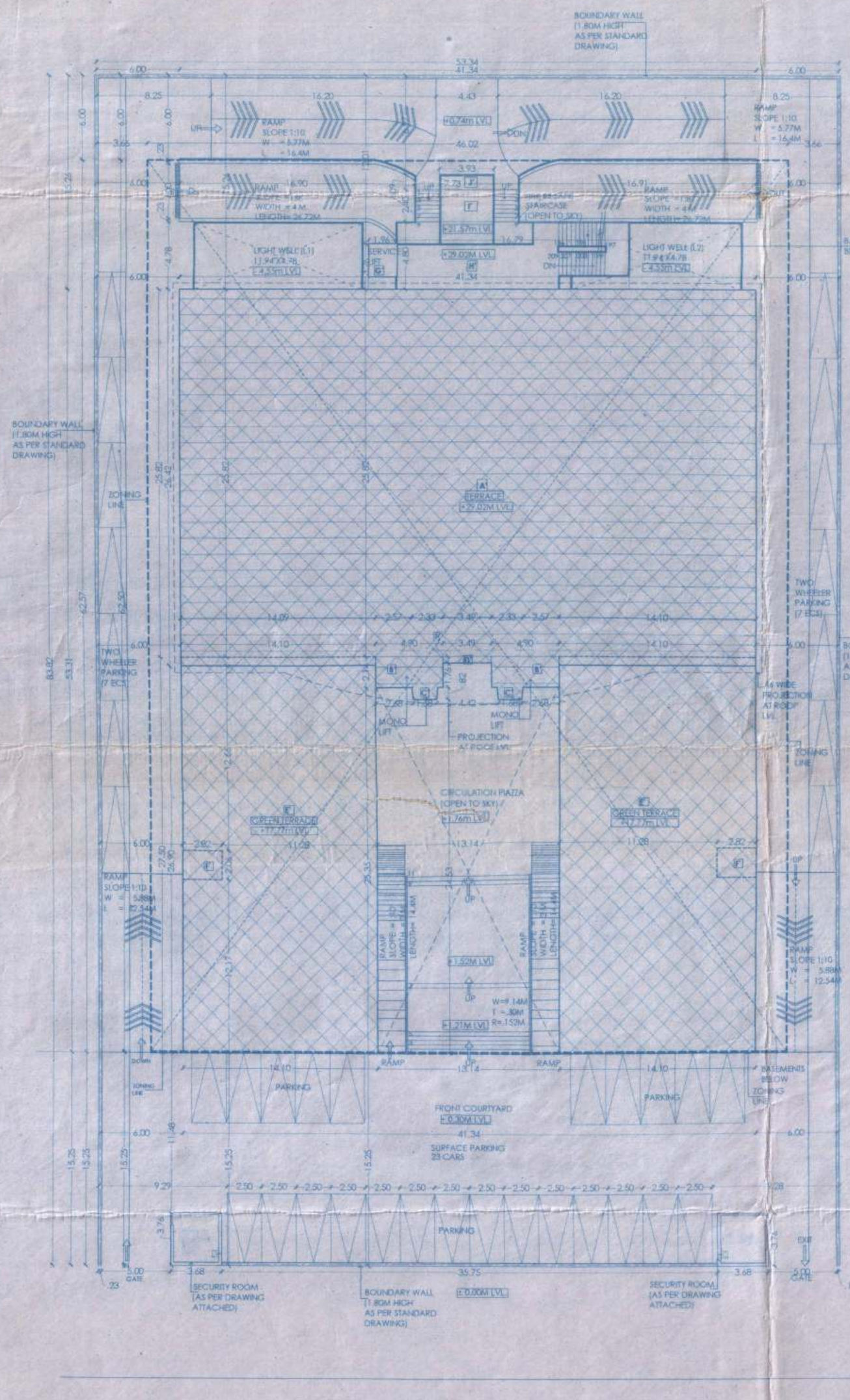
S.no	Area/ Activities	Population	M^3/day
1	1977.95 sqm at Upper Ground	1977.95/3= 660 Persons @10 % fixed population of 660= 66 Persons(water required@ 45 Ltr/person) @90% floating population of 660 = 594 persons(water required@ 15 Ltr/person)	11.88 M^3/day
2	1807.77 sqm at 1st floor, 1807.77 sqm at 2nd Floor, 1059.40 sqm at 4th floor , 1059.40 sqm at 5th floor and 1088.64 sqm at 6th floor (6822.98 Sqm)	6822.98/6=1137 persons @10 % fixed population of 1137= 114 Persons(water required@ 45 Ltr/person) @90% floating population of 1137 =1023 persons(water required@ 15 Ltr/person)	22.18 M^3/day
3	Staff	100 Persons @ 45 ltr/person	4.5 M^3/day
	Cooling		20 M^3/day
		Total domestic water required	38.56 M^3/day
	80 % of the total domestic requirement in to STP		30.84 M^3/day

Wall Facia	:	U = 0.32 Btu/hr-sft-deg F
Roof (Exposed to sun) with thermal insulation consisting of 75 mm thick extruded polystyrene or equivalent	:	U = 0.14 Btu/hr-sft-deg F
Glass Specifications	:	Double heat reflective glass

Description	**U-value as per ECBC**		**U-Value proposed**	
	W/Sqm-'C	**BTU/Hr-Sqft.-'F**	**W/Sqm-'C**	**BTU/Hr-Sqft.-'F**
Exposed Roof	0.409	0.072	0.240	0.042
Exposed wall	0.44	0.077	0.240	0.042
Exposed Glass	3.3	0.581	1.990	0.350
			5.670	1.000

Material specifications to be used in the complex are as under;

Sr. No.	Material	Thickness (mm)	Thermal conductivity (W/m.K)	R-Value (m^2K/W)
1	Cement Plaster	20	0.740	0.027
2	Brick Masonry	230	0.700	0.328
3	Cement Plaster	20	0.740	0.027
4	POP	10	0.430	0.023
5	Outside Film	--	--	0.050
6	Inside Film	--	--	0.100
7	Brick Tiles	50	0.790	0.063
8	PCC	40	0.930	0.063
9	Brick Bal	120	0.710	0.171
10	RCC	150	0.930	0.161
11	Polyurethane	50	0.040	1.200



SITE PLAN
SCALE 1:200

N

PLOT AREA = 53.34MX83.82M	= 4470.95 SQ.M (5347.2 SQ.YARDS)
PERMISSIBLE GROUND COVERAGE (50%)	= 2235.475 SQ.M
PERMISSIBLE FAR (200%)	= 8941.90 SQ.M
PARKING REQUIRED (4 E.C.S./100 SQ.M)	= 357 CARS

	FLOORS	CALCULATION	COVERED AREA	PARKING PROVIDED
a	BASEMENT (-3)	(46.02 x 9.94)+ (60.29 x 41.19)	2940.783 SQ.M	72 CARS PARKING.
b	BASEMENT (-2)	(46.02 x 9.94)+ (60.29 x 41.19)	2940.783 SQ.M	70 CARS PARKING.
c	BASEMENT (-1)	(46.02 x 9.94)+ (60.29 x 41.19)	2940.783 SQ.M	72 CARS PARKING.
d	LOWER GROUND	41.18X53.16M	2189.12 SQ.M	55 CARS PARKING.
e	THIRD FLOOR (PARKING)	SAME AS FIRST FLOOR	1834.369 SQ.M.	51 CARS PARKING.
f	SURFACE PARKING (FRONT)	41.34X15.24M	630.02 SQ.M	24 CARS PARKING.
	LEFT SIDE	45.55X6 M	273.3 SQ.M	7 CARS PARKING.
	RIGHT SIDE	45.55X6 M	273.3 SQ.M	7 CARS PARKING.

TOTAL COVERED AREA UNDER PARKING(a+b+c+d+e)= 2940.783 +2940.783 +2940.783 +2189.12 +1834.369 = 12845.838 SQ.M

TOTAL PARKING UNDER (A+B+C+D+E+F) = 358 CARS

AREA UNDER FAR

	FLOORS	CALCULATION	COVERED AREA
g	UPPER GROUND FLOOR	AREA A'+ 2XAREA B'+ 2XAREA C' + AREA D'+ 2XAREA E'+ AREA G'+ AREA H'+ AREA I'+AREA J' COVERED AREA = 41.34X25.82+ 2X(4.90X2.14)+ 2X({(1.68+1.86)/2}X0.82)+ 3.49X0.38+2X(14.10X27.50)+ 1.96X3.28+ 16.79X4.80 +7.73X2.40+ 3.93 X1.09 =1067.3988+ 2X10.486+ 2X{(3.54/2)X0.82}+ 1.3262+ 2X387.75+ 6.4288+ 80.592+ 18.552+4.284 =1067.3988+ 20.972+ 2X(1.77X0.82)+1.3262+ 775.5+ 109.8568 =1088.3708+ 2.9028+ 886.683 =1977.9566 SQ.M AREA OF UPPER GROUND FLOOR FOR MEZZANINE FLOOR = AREA A'+ 2XAREA B'+ 2XAREA C' +AREA D'+ 2XAREA E' = 41.34X25.82+ 2X(4.90X2.14)+ 2X({(1.68+1.86)/2}X0.82)+ 3.49X0.38+ 2X(14.10X27.50)+ = 1067.3988+ 2X10.486+ 2X({3.54/2}X0.82)+ 1.3262+ 2X387.75 = 1067.3988+ 20.972+ 2X(1.77X0.82)+ 1.3262+ 775.5 = 1088.3708+ 2.9028+ 776.8262 = 1868.1356 SQ.M AREA OF MEZZANINE FLOOR (PERMISSIBLE) = 1/4 X AREA OF HALL = 1/4X1868.1356 SQ.M =467.03 SQ.M PROVIDED = AREA A+ AREA B+ AREA C+ AREA D+ AREA E+ AREA F+ AREA G+ AREA H+ AREA I+ AREA J+ AREA K+ AREA L+ AREA M - (AREA N +AREA O) = 14.10x8.56+ 6.64x5.46+ 1/2X2.06X5.93+ 4.50x5.93+ 1/2X2.16X5.32+ 13.29X0.61+ 13.13X4.85+ 8.15X0.38+ 1/2X2.29X5.32+ 4.41X5.93+ 1/2X2.15X5.93+ 6.64X5.46+ 14.10X8.56 - (1.83X3.96+1.83X3.96) =120.696+ 36.28+ 6.1079+ 26.685+ 5.7456+ 8.1069+ 63.6805+ 3.0871+ 4.0934+ 24.1513+ 6.37475+ 31.9544+ 120.696 -(7.2468+7.2468) =465.9 SQ.M- 14.4936 = 451.44315 SQ.M	1977.9566 SQ.M
h	FIRST FLOOR	AREA STATEMENT (FIRST FLOOR) COVERED AREA = UPPER GROUND FLOOR AREA - (2X(2.57X2.14)+ 2X(2.33X1.76)+ 2X({(1.68+1.86)/2}X0.82)+ 1.96X3.28+ 16.79X4.80 +7.73X2.40+3.93X1.09+ 2X(2.82X2.06)) = 1977.9566 - [2X5.49+ 2X4.1008+ 2X({3.54/2}X0.82)+ 6.4288+ 80.592+ 18.552+4.284+ 2X5.8092] = 1977.9566 - {10.98+ 8.2016+ 2X1.77X.82+ 6.4288+ 80.592+ 18.552+4.284 11.6192} = 1977.9566 - {19.1816+2.9028+ 121.476} = 1973.6726 - 143.5604 - [(DUCT-1) 2 + (DUCT 1)3] = 1834.3962 SQ.M-[6.36X1.29) X 2 + (1.29X3.96)X2 = 1834.3962 - (16.408+10.24) + 18.672	1807.772 Sqm
i	SECOND FLOOR	SAME AS FIRST FLOOR (1834.3692 SQ.M.)	1807.772 Sqm
j	FOURTH FLOOR	AREA STATEMENT (FOURTH FLOOR) COVERED AREA = UPPER GROUND FLOOR AREA - (2X(2.57X2.14)+ 2X(2.33X1.76)+ 2X({(1.68+1.86)/2}X0.82)+ 1.96X3.28+ 16.79X4.80 +7.73X2.40+3.93x1.09+ 2X(2.82X2.06)+ 2X(14.10X26.90)) = 1977.9566 - [2X5.49+ 2X4.1008+ 2X({3.54/2}X0.82)+ 6.4288+ 80.592+ 18.552+4.284 2X5.8092+ 2X379.29] = 1977.9566 - {10.98+ 8.2016+ 2X1.77X.82+ 6.4288+ 80.592+ 18.552+4.284+ 11.6192+ 758.58} = 1977.9566 - [143.9566+ 758.58] = 1977.9566 - 902.8162-[SHAFT- 1) X 2 =1075.8162 SQ.M - 16.408 = 1059.408	1059.408 Sqm
k	FIFTH FLOOR	SAME AS FOURTH FLOOR (1075.8162 SQ.M)	1059.408 Sqm
l	SIXTH FLOOR	AREA STATEMENT (SIXTH FLOOR) COVERED AREA =UPPER GROUND FLOOR AREA - {2X(4.90X2.14)+ 2X({(1.68+1.86)/2}X0.82)+ 3.49X0.38+ 1.96X3.28+ 16.79X4.80 +7.73X2.40 +3.93 X1.09+2X(2.82X2.06)+ 2X(14.10X26.90)} +AREA OF SEGMENT =1977.9566-[2X10.486 + 2X({3.54/2}X0.82)+ 1.3262+ 6.4288+ 80.592+ 18.552+4.284+ 2X5.809 +2X 379.29)+ [{(35.08X33.08)/2}(44X (1/180)-SIN44°)}- 2(1/2X32.50X13.20)] =1977.9566-[20.972+ 2X(1.77X0.82)+ 111.183+ 11.618+ 758.58)+ [{(615.3032)(44X.0174-0.0177)-2X214.5)] =1977.9566-[20.972+ 2.9028+ 883.381]+ [(615.3032X(0.7675-0.0177)-429)] =1977.9566- 905.2558+ [(615.3032X0.7498)-429] =1977.9566- 905.2558+ [461.3519- 429] =1977.9566- [905.2558+ 32.3519] =1977.9566-872.9039 -(SHAFT- 1) X 2 =1105.0527 - 16.408 = 1088.644	1088.644 Sqm

TOTAL COVERED AREA UNDER (g+h+i+j+k+l)+ LOWER GROUND + THIRD FLOOR
= 1977.9566 + 1807.772 + 1059.408 + 1059.408 + 1088.644 + 57.018 + 57.018
TOTAL COVERED AREA = 8914.996 Sqm (FAR ACHIEVED = 199%)

AREA OF SEGMENT=[{(R²/2){Θ-SINΘ)}]-2X{AREA OF TRIANGLE}
AREA OF TRIANGLE= 1/2XBASE X HEIGHT

SANCTIONED
S.D.O. (B)
For Estate Officer,
Exercising the powers of
Chief Administrator, U.T., Chd.
9/11/10

Er. Sachit Madan
STRUCTURE ENGINEER PUNJAB, U.T. CHD.
HARYANA & H.P. GOVT. DEPTT.

PROJECT:
PROPOSED COMMERCIAL COMPLEX FOR RSA MOTORS PVT. LTD. & OASIS MOTORS PVT. LTD. ON PLOT NO. 24, INDUSTRIAL AREA, PHASE -1. CHANDIGARH.

DRAWING TITLE: SITE PLAN
DRAWING NO.: SD-01
SCALE: 1:200
DATED: MAY,2010

NOTE
1.GATE AND BOUNDARY WALL WILL BE AS PER ZONING.
2.7 LTS. CAP. OF CISTERN WILL BE USED.
3.MIN. SLOPE OF PIPES 1:40
4.SIZE OF I.C. AND G.T. ARE 18"X18" AND 12"X12" RESPECTIVELY.

For RSA Motors Pvt. Ltd
Director
For OASIS Motors Pvt. Ltd
Director
CLIENT:

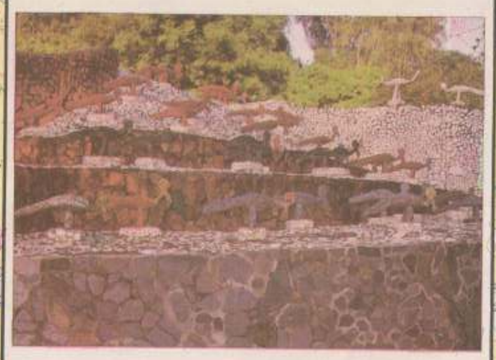
AR. SUBHASH ARORA
CA-95-18584
ARCHITECT:
SUBHASH ARORA

DRAWN BY: AMAN
CHECKED BY: MADHU

Sthapti
ARCHITECTS, PLANNERS, INT.DESIGNERS
1096, 1st FLOOR
SECTOR-11, PANCHKULA (HR)
TEL : 0172 - 50 111 49
email:sthapti@yahoo.com

SPECIAL MAP SERIES

CHANDĪGARH & ITS ENVIRONS



SURVEY OF INDIA

DEPARTMENT OF SCIENCE & TECHNOLOGY

CHANDĪGARH & ADJACENT CITIES

SUKHNA WILDLIFE SANCTUARY

CHANDĪGARH

CITY BIRD SANCTUARY

SUKHNA LAKE

S A S NAGAR

PANCHKULA

PROJECT SITE
PLOT NO - 24 INDUSTRIAL AREA, PHASE I
CHANDIGARH

For BERKOWIT BEATECH LIMITED
Director

DISTANCE

1. From Sukhna W/L Sanctuary — 5.20 km
2. From City Bird Sanctuary — 3.20 km

Deputy Conservator of Forests
Forest Department
U.T. Chandigarh

R.O (N)

Survey No. 405-105 D'97 IN.W.C 57 - 1 40,000 - 2023.

1st Edition 1997.

REFERENCES

RBI	Reserve Bank of India
Chy	Chimney
HSEB	Haryana State Electricity Board
CTU	Chandigarh Transport Undertaking
OT	Overhead tank
PP	Petrol pump
S A S	Sāhibzāda Ajit Singh

भारत के महासर्वेक्षक लेफ्टिनेंट जनरल अशोक कुमार आहूजा, के निदेश से प्रकाशित,
Published under the direction of Lieutenant General Ashok Kumar Ahuja, Surveyor General of India.

1997

1 : 40,000

0.5 cm to 1 km

8 Kilometres

HEIGHTS & CONTOURS IN METRES

CONTOUR INTERVAL 20 METRES

Water features are shown in blue, where they generally contain water.
Cultivated areas are coloured yellow.
The exterior boundaries of areas of Reserved or Protected Forests are shown by green ribands.

Contours are approximate.
A relative height, 6r, represents the approximate height, in metres, between the top and bottom of a steep slope.
Wooded areas are coloured green. Scattered trees and other vegetation are in green, but prominent surveyed trees are in black.

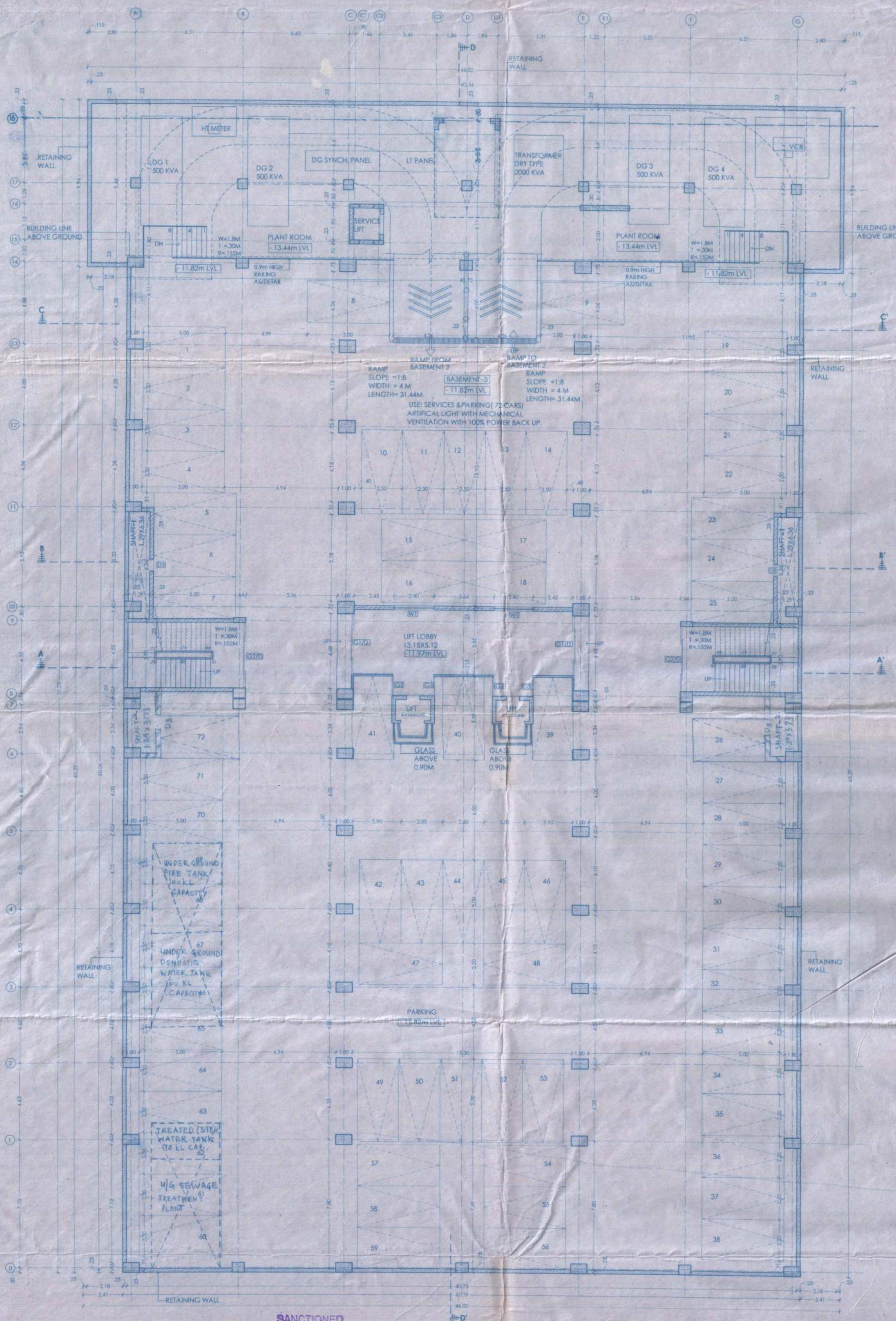
The triangulated heights and contours in this sheet have not been adjusted to the heights of spirit levelled bench-marks and may not be strictly in accordance with them.
A relative height e.g., 4r represents the approximate height, in metres between the top and bottom of steep slope.
Tube-well / wells are numerous throughout the sheet, only the important ones have been shown.
Tanks, shown dry, in this area usually contain water from July to March.
The administrative headquarters of Haryāna and Punjab states are at Chandigarh.
Common forest boundaries have not been shown for want of reliable information.

Administrative Index

PRINTED AT THE SURVEY PRINTING UNIT OF SURVEY OF INDIA

Price Twenty Rupees.

5-2/2



BASEMENT (-3)

SANCTIONED
S.D.O. (B)
For Estate Officer,
Exercising the powers of
Chief Administrator, U.T.

AREA STATEMENT (BASEMENT 3)
COVERED AREA = 46.02 x 9.94 + 60.29 x 41.19 =
2940.783 SQ.M
PARKING PROVIDED = 72 CARS PARKING.

DOOR WINDOW SCHEDULE				
Sr.No.	Item No.	C.S.L. LVL	UNTIL LVL	SIZE
1.	W1	0.90	2.10	2.40X1.20
2.	G1/D	± 0.00	3.36	3.66X3.36
3.	G2/D	± 0.00	3.36	3.90X3.36
4.	G3	± 0.00	3.36	1.15X3.36
5.	D2	± 0.00	2.10	1.00X2.10
6.	D3	± 0.00	2.10	0.75X2.10

NOTE
1. BASEMENT HAS BEEN PROVIDED WITH ARTIFICAL LIGHT AND MECHANICAL VENTILATION WITH 100% POWER BACK UP AS/NORMS.
2. BASEMENT HAS FIRE FIGHTING SYSTEM AND FULLY SPRINKLED AREANGEMENT.

PROJECT :
PROPOSED COMMERCIAL COMPLEX FOR RSA MOTORS PVT. LTD. & OASIS MOTORS PVT. LTD. ON PLOT NO. 24, INDUSTRIAL AREA, PHASE -1. CHANDIGARH.

DRAWING TITLE: BASEMENT -3 (PARKING AND SERVICES)
DRAWING NO. SD-02
SCALE: 1:100
DATED: MAY, 2010

For RSA Motors Pvt. Ltd. Director
For OASIS Motors Private Limited Director
CLIENT:

AR. SUBHASH ARORA
CA-95-18584
ARCHITECT: SUBHASH ARORA

DRAWN BY: AMAN
CHECKED BY: MADHU

Sthapti
ARCHITECTS, PLANNERS, INT.DESIGNERS
1096, 1st FLOOR
SECTOR-11, PANCHKULA (HR)
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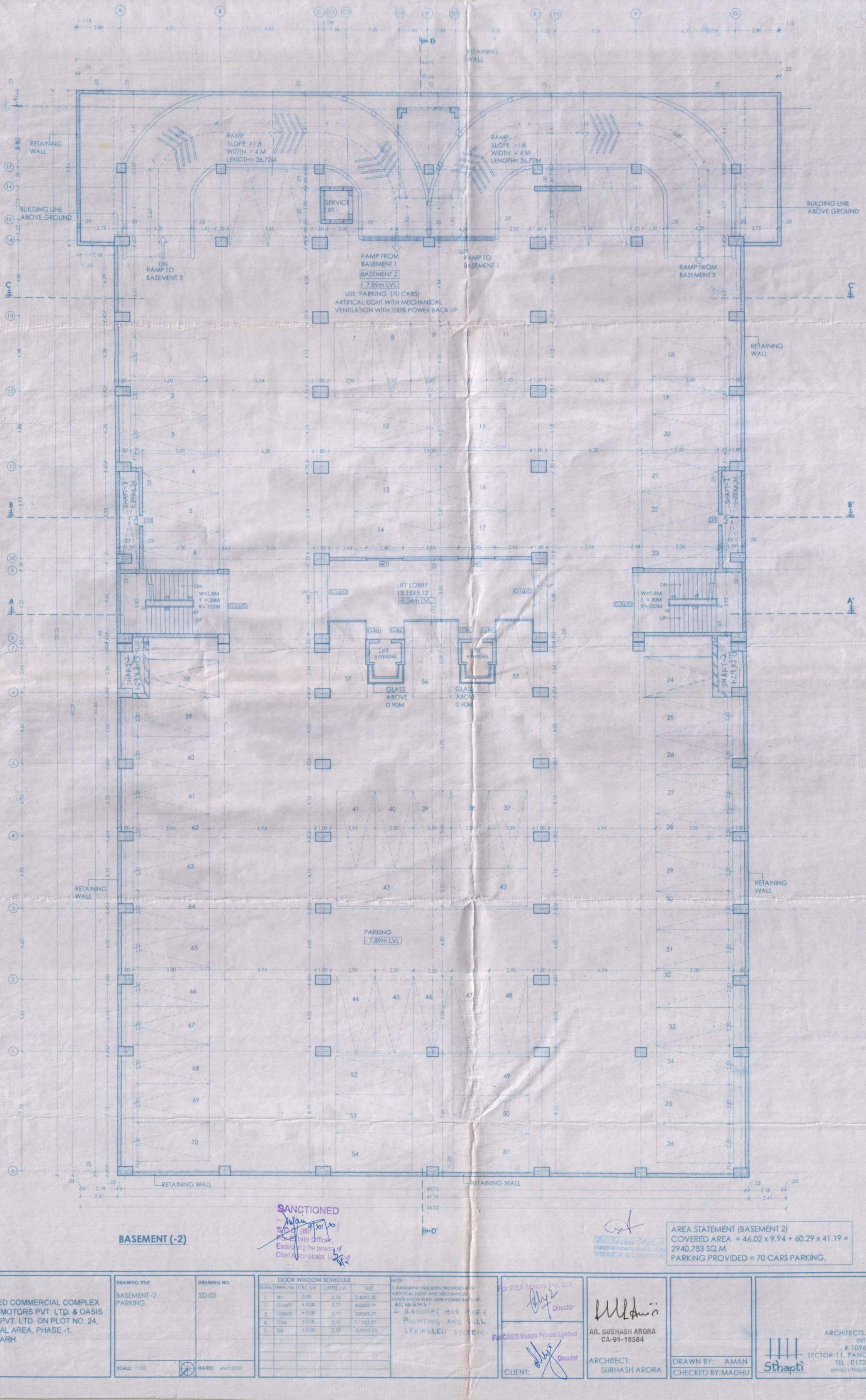
S-2/3



BASEMENT (-2)

SANCTIONED
SCO 67 (B) dt 30
For Estate Officer,
Exercising the powers of
Chief Administrator, UT, Chd

AREA STATEMENT (BASEMENT 2)
COVERED AREA = 46.02 x 9.94 + 60.29 x 41.19 =
2940.783 SQ.M
PARKING PROVIDED = 70 CARS PARKING.

DOOR WINDOW SCHEDULE				
Sr.No.	Item.No.	C.S.L. Lvl	LINTEL Lvl	SIZE
1.	W1	0.90	2.10	2.40X1.20
2.	G1a/D	±0.00	2.77	3.66X2.77
3.	G2a/D	±0.00	2.77	3.90X2.77
4.	G3a	±0.00	2.77	1.15X2.77
5.	D3	±0.00	2.10	0.75X2.10

NOTE:
1. BASEMENT HAS BEEN PROVIDED WITH ARTIFICAL LIGHT AND MECHANICAL VENTILATION WITH 100% POWER BACK UP.
2. BASEMENT HAS FIRE FIGHTING AND FULL SPRINKLED SYSTEM.

PROJECT:
PROPOSED COMMERCIAL COMPLEX FOR RSA MOTORS PVT. LTD. & OASIS MOTORS PVT. LTD. ON PLOT NO. 24, INDUSTRIAL AREA, PHASE -1, CHANDIGARH.

DRAWING TITLE: BASEMENT -2 PARKING
DRAWING NO. SD-03
SCALE: 1:100
DATED: MAY 2010

For RSA Motors Pvt. Ltd. Director
For OASIS Motors Private Limited Director
CLIENT:

AR. SUBHASH ARORA
CA-95-18584
ARCHITECT: SUBHASH ARORA

DRAWN BY: AMAN
CHECKED BY: MADHU

Sthapti
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1096, 1st FLOOR
SECTOR-11, PANCHKULA (HR)
TEL : 0172 - 50 111 49
email:sthapti@yahoo.com

S-2/4

BASEMENT (-1)

SANCTIONED
Subject to clause (B)
For Estate Officer,
Exercising the powers of
Chief Administrator, U.T.

TOTAL CARPET AREA = 2417.22 Sqm (excluding shafts)
LIGHT WELL AREA (L1+L2) = (11.94 x 4.78) 2 = 114.146 Sq m
% of Natural Light = 4.72%

AREA STATEMENT (BASEMENT - 1)
COVERED AREA = 46.02 x 9.94 + 60.29 x 41.19 = 2940.783 SQ.M
PARKING PROVIDED = 72 CARS PARKING.

DOOR WINDOW SCHEDULE				
Sr.No.	Item No.	Ctl. LM	UNITEL LM	SIZE
1.	W1	0.90	2.10	2.40X1.20
2.	G1a/D	±0.00	2.77	3.66X2.77
3.	G2a/D	±0.00	2.77	3.90X2.77
4.	G3a	±0.00	2.77	1.15X2.77
5.	D2	±0.00	2.10	1.00X2.10
6.	D3	±0.00	2.10	0.75X2.10
7.	V2	+1.22	3.22	2.15X1.20
		AREA OF LIGHT WELL		
8.	L-1	57.1732 Sq.m		11.94X4.78
9.	L-2	57.1732 Sq.m		11.94X4.78

NOTE
1. BASEMENT HAS BEEN PROVIDED WITH ARTIFICAL LIGHT AND MECHANICAL VENTILATION WITH 100% POWER BACK UP.
2. BASEMENT HAS FIRE ALARM SYSTEM AND FULLY SPRINKLER ARRANGEMENT.

PROJECT:
PROPOSED COMMERCIAL COMPLEX FOR RSA MOTORS PVT. LTD. & OASIS MOTORS PVT. LTD. ON PLOT NO. 24, INDUSTRIAL AREA, PHASE -1, CHANDIGARH.

DRAWING TITLE: BASEMENT -1, PARKING
DRAWING NO. SD-04
SCALE: 1:100
DATED: MAY 2010

For RSA Motors Pvt Ltd
Director
For OASIS Motors Private Limited
Director
CLIENT:

AR. SUBHASH ARORA
CA-95-18584
ARCHITECT: SUBHASH ARORA

DRAWN BY: AMAN
CHECKED BY: MADHU

Sthapti
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TEL - 0172 - 50 111 49
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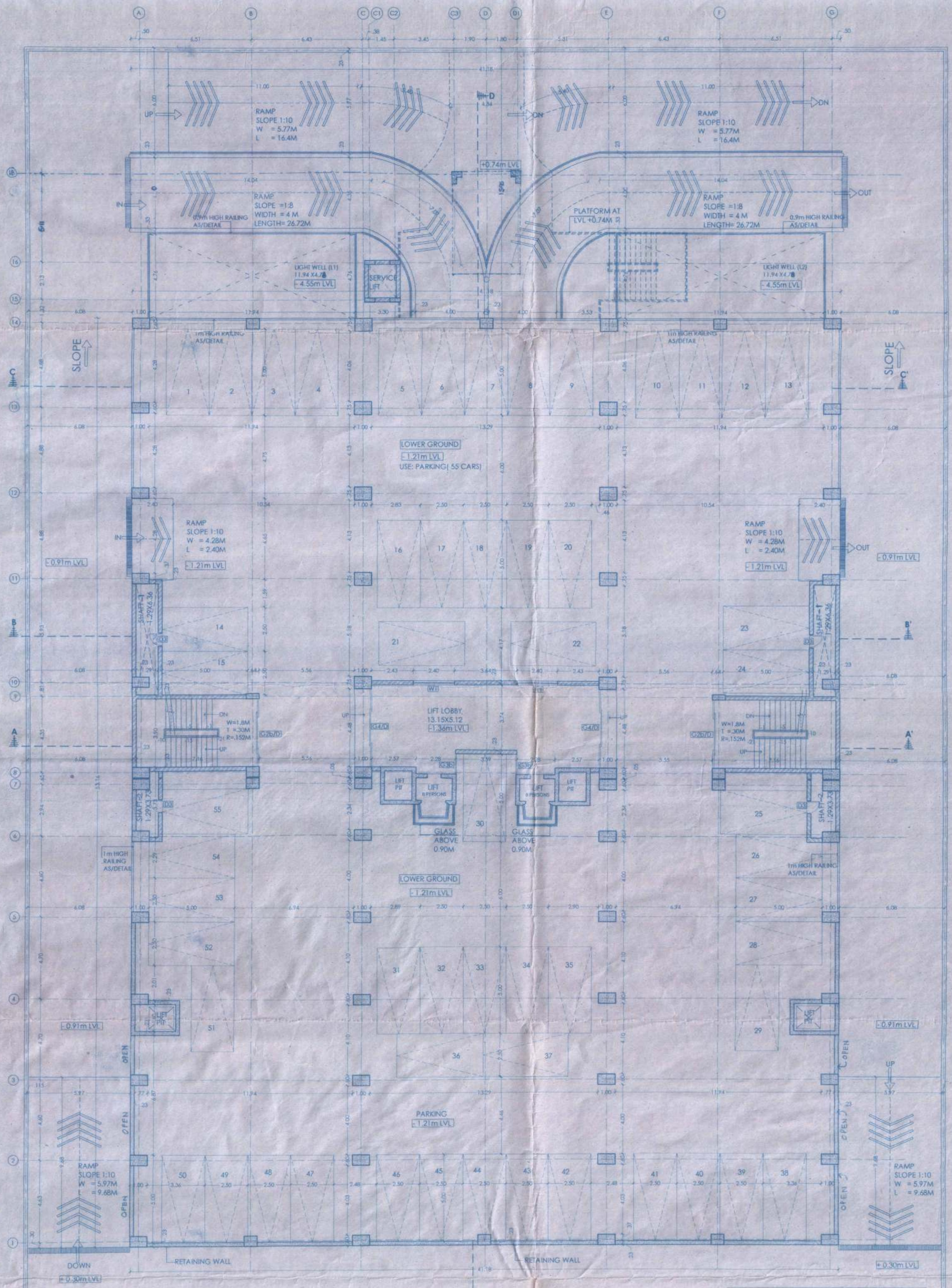
S-2/5



LOWER GROUND FLOOR

AREA STATEMENT (LOWER GROUND FLOOR)
COVERED AREA = 41.18X53.16 = 2189.12 SQ.M

PARKING PROVIDED = 55 CARS PARKING.

AREA UNDER STAIRS
(3.90 X 7.31) X2 = 57.018 SQM

SANCTIONED
S.D.O.(B)
For Estate Officer,
Exercising the powers of
Chief Administrator, U.T.

DOOR WINDOW SCHEDULE				
Sr.No.	Item No.	C.L.L. Lvl	LINTEL Lvl	SIZE
1.	W1	0.90	2.10	2.40X1.20
2.	G3b/D	±0.00	2.61	3.90X2.61
3.	G3b	±0.00	2.61	1.10X2.61
4.	G4/D	±0.00	2.67	4.58X2.61
5.	D3	±0.00	2.10	0.75X2.10

NOTE

PROJECT :
PROPOSED COMMERCIAL COMPLEX FOR RSA MOTORS PVT. LTD. & OASIS MOTORS PVT. LTD. ON PLOT NO. 24, INDUSTRIAL AREA, PHASE -1, CHANDIGARH.

DRAWING TITLE: LOWER GROUND (PARKING)
DRAWING NO.: SD-05
SCALE: 1:100
DATED: MAY 2010

For RSA Motors Pvt. Ltd. Director
For OASIS Motors Private Limited Director
CLIENT:

AR. SUBHASH ARORA
CA-95-13584
ARCHITECT:
SUBHASH ARORA

DRAWN BY: AMAN
CHECKED BY: MADHU

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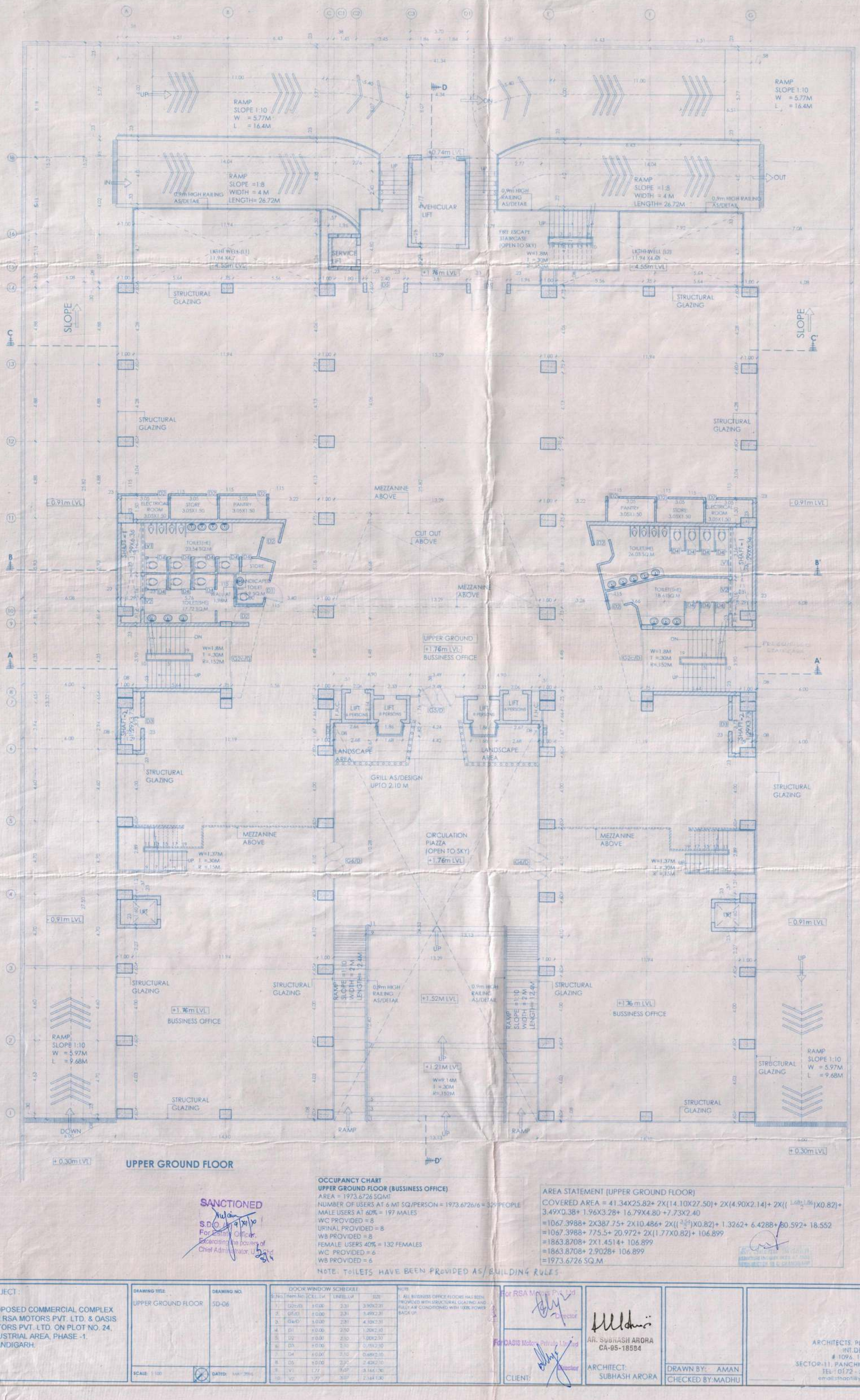
email:sthapti@yahoo.com

S-2/6



UPPER GROUND FLOOR

SANCTIONED
S.D.O. (B) 9/XII/10
For Estate Officer,
Exercising the powers of
Chief Administrator, U.T. Chd
5/8/14

OCCUPANCY CHART
UPPER GROUND FLOOR (BUSSINESS OFFICE)
AREA = 1973.6726 SQMT
NUMBER OF USERS AT 6 MT SQ/PERSON = 1973.6726/6 = 329 PEOPLE
MALE USERS AT 60% = 197 MALES
WC PROVIDED = 8
URINAL PROVIDED = 8
WB PROVIDED = 8
FEMALE USERS 40% = 132 FEMALES
WC PROVIDED = 6
WB PROVIDED = 6
NOTE: TOILETS HAVE BEEN PROVIDED AS/ BUILDING RULES

AREA STATEMENT (UPPER GROUND FLOOR)
COVERED AREA = 41.34X25.82+ 2X(14.10X27.50)+ 2X(4.90X2.14)+ 2X(($\frac{1.68+1.86}{2}$)X0.82)+ 3.49X0.38+ 1.96X3.28+ 16.79X4.80 +7.73X2.40
=1067.3988+ 2X387.75+ 2X10.486+ 2X(($\frac{3.54}{2}$)X0.82)+ 1.3262+ 6.4288+ 80.592+ 18.552
=1067.3988+ 775.5+ 20.972+ 2X(1.77X0.82)+ 106.899
=1863.8708+ 2X1.4514+ 106.899
=1863.8708+ 2.9028+ 106.899
=1973.6726 SQ.M

DOOR WINDOW SCHEDULE

S.No.	Item No.	CILL Lvl	LINTEL Lvl	SIZE
1.	G2c/D	±0.00	2.31	3.90X2.31
2.	G5/D	±0.00	2.31	3.49X2.31
3.	G6/D'	±0.00	2.31	4.10X2.31
4.	D1	±0.00	2.10	1.20X2.10
5.	D2	±0.00	2.10	1.00X2.10
6.	D3	±0.00	2.10	0.75X2.10
7.	D4	±0.00	2.10	0.68X2.10
8.	D5	±0.00	2.10	2.40X2.10
9.	V1	1.77	3.07	3.16X1.30
10.	V2	1.77	3.07	2.16X1.30

NOTE
1. ALL BUSSINESS OFFICE FLOORS HAS BEEN PROVIDED WITH STRUCTURAL GLAZING AND ARE FULLY AIR CONDITIONED WITH 100% POWER BACK UP.

PROJECT :
PROPOSED COMMERCIAL COMPLEX FOR RSA MOTORS PVT. LTD. & OASIS MOTORS PVT. LTD. ON PLOT NO. 24, INDUSTRIAL AREA, PHASE -1, CHANDIGARH.

DRAWING TITLE: UPPER GROUND FLOOR
DRAWING NO.: SD-06
SCALE: 1:100
DATED: MAY 2014

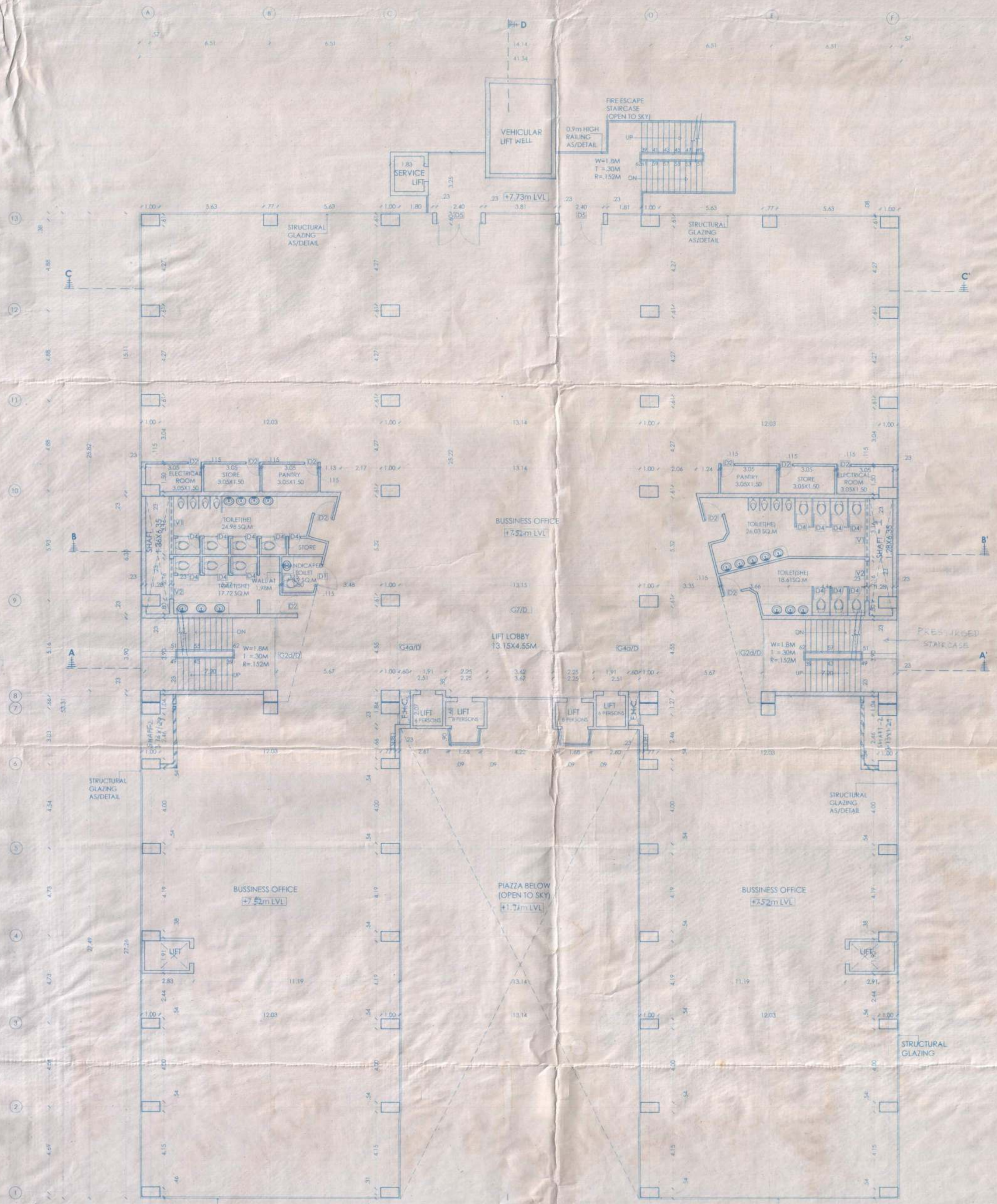
For RSA Motors Pvt. Ltd. Director
For OASIS Motors Private Limited Director
CLIENT:

AR. SUBHASH ARORA
CA-95-18584
ARCHITECT: SUBHASH ARORA

DRAWN BY: AMAN
CHECKED BY: MADHU

ARCHITECTS, PLANNERS, INT.DESIGNERS
1096, 1st FLOOR
SECTOR-11, PANCHKULA (HR)
TEL : 0172 - 50 111 49
email:sthapti@yahoo.com

S-2/8



FIRST FLOOR

OCCUPANCY CHART
FIRST FLOOR (BUSSINESS OFFICE)
AREA = 1834.59 SQMT
NUMBER OF USERS AT 10 MT SQ/PERSON = 1834.59/6 = 185 PEOPLE
MALE USERS AT 60% = 110 MALES
WC PROVIDED = 8
URINAL PROVIDED = 8
WB PROVIDED = 8
FEMALE USERS 40% = 75 FEMALES
WC PROVIDED = 6
WB PROVIDED = 6

SANCTIONED
S.D.O.(B)
For Estate Officer,
Exercising the powers of
Chief Administrator, U.T., Chd.

AREA STATEMENT (FIRST FLOOR)
COVERED AREA = UPPER GROUND FLOOR AREA -
2x{[(2.57x2.14)+(2.35x1.16)+(1.46x3.28)]-
[2.92x2.06+16.79x4.80+7.73x2.40+3.93x1.09]}
= 1977.956 SQ.M - 2x{(5.490 + 1.428 + 4.4238)} -(11.6492+ 80.06+ 27.07)
= 1977.956 - 2x10.0422 - 5.4288 - 118.2812
= 1977.956 - 20.0844 - 124.476
= 1977.956 - 143.560 SQ.M - [SHAFT-1)X2+(SHAFT-2)X2]
= 1834.59 SQ.M - [6.36 X1.29) X2 + (1.27X3.14)X2]
= 1834.59 - (16.408 + 10.216) = 1807.772 Sqm.

DOOR WINDOW SCHEDULE

Sr.No.	Item No.	CILL LVL	LINTEL LVL	SIZE
1.	G2d/D	±0.00	3.07	3.90X3.07
2.	G4a/D	±0.00	3.07	4.55X3.07
3.	G7/D	±0.00	3.07	13.15X3.07
4.	D1	±0.00	2.10	1.20X2.10
5.	D2	±0.00	2.10	1.00X2.10
6.	D4	±0.00	2.10	0.68X2.10
7.	D5	±0.00	2.10	2.40X2.10
8.	V1	2.47	3.07	3.16X0.60
9.	V2	2.47	3.07	2.16X0.60

NOTE

PROJECT :
PROPOSED COMMERCIAL COMPLEX FOR RSA MOTORS PVT. LTD. & OASIS MOTORS PVT. LTD. ON PLOT NO. 24, INDUSTRIAL AREA, PHASE -1 CHANDIGARH.

DRAWING TITLE: FIRST FLOOR
DRAWING NO. SD-08
SCALE: 1:100
DATED: MAY 2010

For RSA Motors Pvt. Ltd. Director
For OASIS Motors Private Limited Director
CLIENT:

AR. SUBHASH ARORA
CA-95-18584
ARCHITECT: SUBHASH ARORA

DRAWN BY: AMAN
CHECKED BY: MADHU

Sthapti
ARCHITECTS, PLANNERS, INT. DESIGNERS
1096, 1st FLOOR
SECTOR-11, PANCHKULA (HR.)
TEL : 0172 - 50 11 49

S-2
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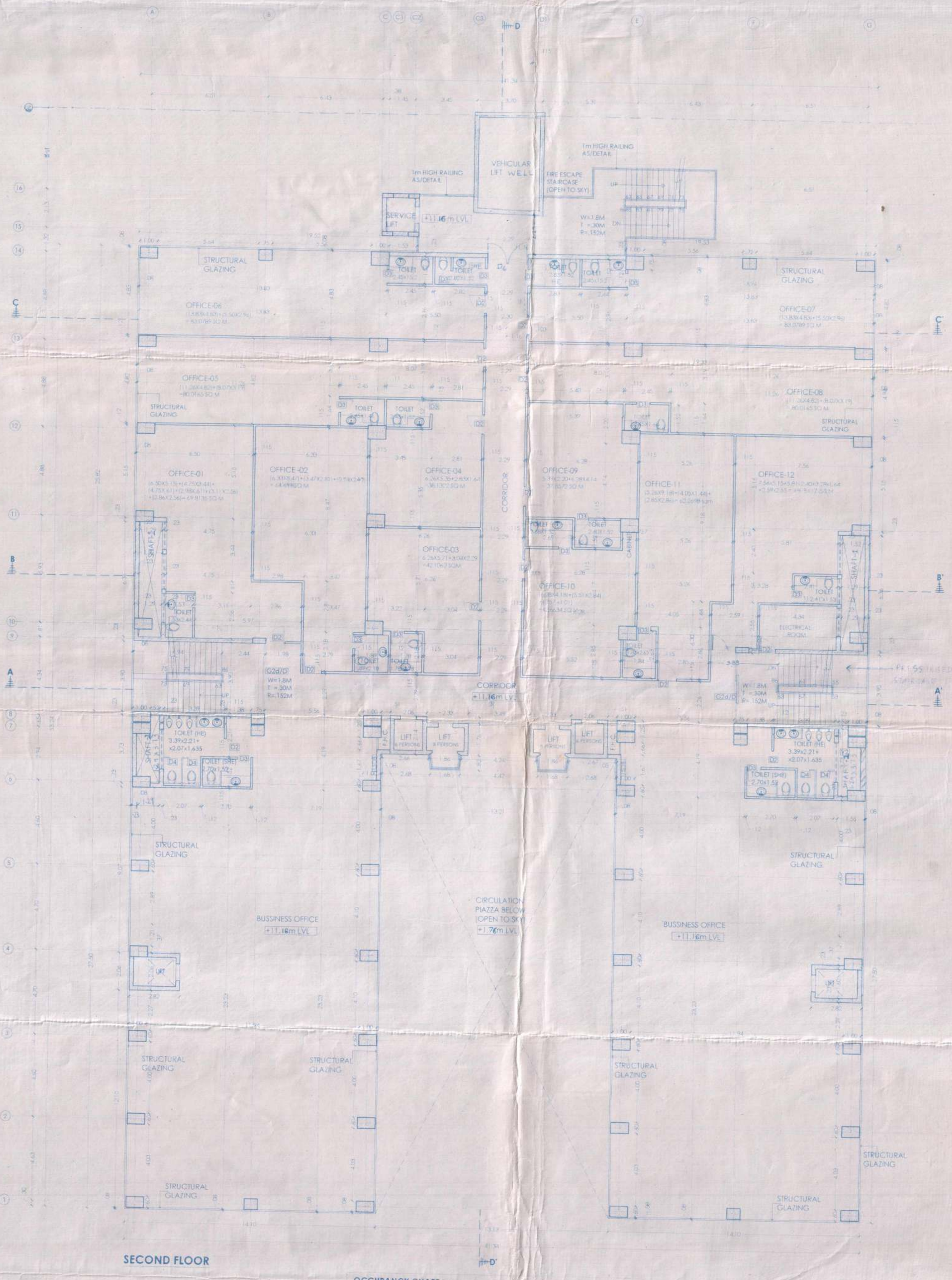

SECOND FLOOR

OCCUPANCY CHART
SECOND FLOOR (BUSSINESS OFFICE)
AREA = 1834.3962 SQMT
NUMBER OF USERS AT 10 MT SQ/PERSON = 1834.3962/10 = 185 PEOPLE
MALE COMMON TOILET
WC PROVIDED = 5
URINAL PROVIDED = 6
WB PROVIDED = 5
FEMALE COMMON TOILET
WC PROVIDED = 3
WB PROVIDED = 3

NO OF OFFICE CABINS - 12
NO OF TOILETS - 12
NOTE TOILETS HAVE BEEN PROVIDED AS/BUILDING RULES.
* MECHANICALLY VENTILATED

SANCTIONED
S.D.O. (B) 9/10/10
For Estate Officer,
Exercising the powers of
Chief Administrator, U.T. Chd

AREA STATEMENT (SECOND FLOOR)
COVERED AREA = UPPER GROUND FLOOR AREA - {2X(2.57X2.14)+ 2X(2.33X1.76)+ 2X{(1.66+1.86/2)X0.82}+ 1.96X3.28+ 16.79X4.80 +7.73X2.40+ 5.98X1.09 + 2X(2.4X1.6)}
= 1977.9566 - [2X5.49+ 2X4.1008+ 2X{(3.52/2)X0.82}+ 6.4288+ 80.592+ 18.552+ 2X5.8092]
= 1977.9566 - {10.98+ 8.2016+ 2X1.77X.82+ 6.4288+ 80.592+ 22.936+ 11.6192}
= 1977.9566 - {19.1816+2.9028+ 121.475}
= 1977.9566 - 143.5604
= 1834.3962 SQ.M - [(duct + 1) x 2 + (DUCT -2) x 2]
= 1834.3962 - [(6.5 x 1.29) x 2 + (1.29 x 3.96) x 2]
= 1834.3962 - (16.908 + 10.214) = 1807.772 sqm

PROJECT:	DRAWING TITLE	DRAWING NO.
PROPOSED COMMERCIAL COMPLEX FOR RSA MOTORS PVT. LTD. & OASIS MOTORS PVT. LTD. ON PLOT NO. 24, INDUSTRIAL AREA, PHASE -1, CHANDIGARH.	SECOND FLOOR	SD-09
	SCALE: 1:100	DATED: MAY 2010

DOOR WINDOW SCHEDULE

SI.No.	Item No.	C&L S.W.	LINTEL W	SIZE
1.	G2d/D	± 0.00	3.07	3.90X3.07
2.	G4d/D	± 0.00	3.07	4.48X3.07
3.	G5/D	± 0.00	3.07	13.29X3.07
4.	D1	± 0.00	2.10	1.20X2.10
5.	D2	± 0.00	2.10	1.20X2.10
6.	D4	± 0.00	2.10	0.68X2.10
7.	D5	± 0.00	2.10	0.48X2.10
8.	V1	1.77	3.07	3.54X1.30
9.	V2	1.77	3.07	2.16X1.30
10.	D6	0.0	3.07	2.29 x 3.07

NOTE
1. ALL BUSSINESS OFFICE FLOORS HAS BEEN PROVIDED WITH STRUCTURAL GLAZING AND FULLY AIR CONDITIONED WITH 100% POWER BACK UP.

For RSA Motors Pvt. Ltd
Director
For OASIS Motors Private Limited
Director
CLIENT:

AR. SUBHASH ARORA
CA-95-18584
ARCHITECT:
SUBHASH ARORA

DRAWN BY: AMAN
CHECKED BY: MADHU

Sthapti
ARCHITECTS, PLANNERS
INT.DESIGNERS
1096, 1st FLOOR
SECTOR-11, PANCHKULA (HR)
TEL : 0172 - 50 111 49
email:sthapti@yahoo.com

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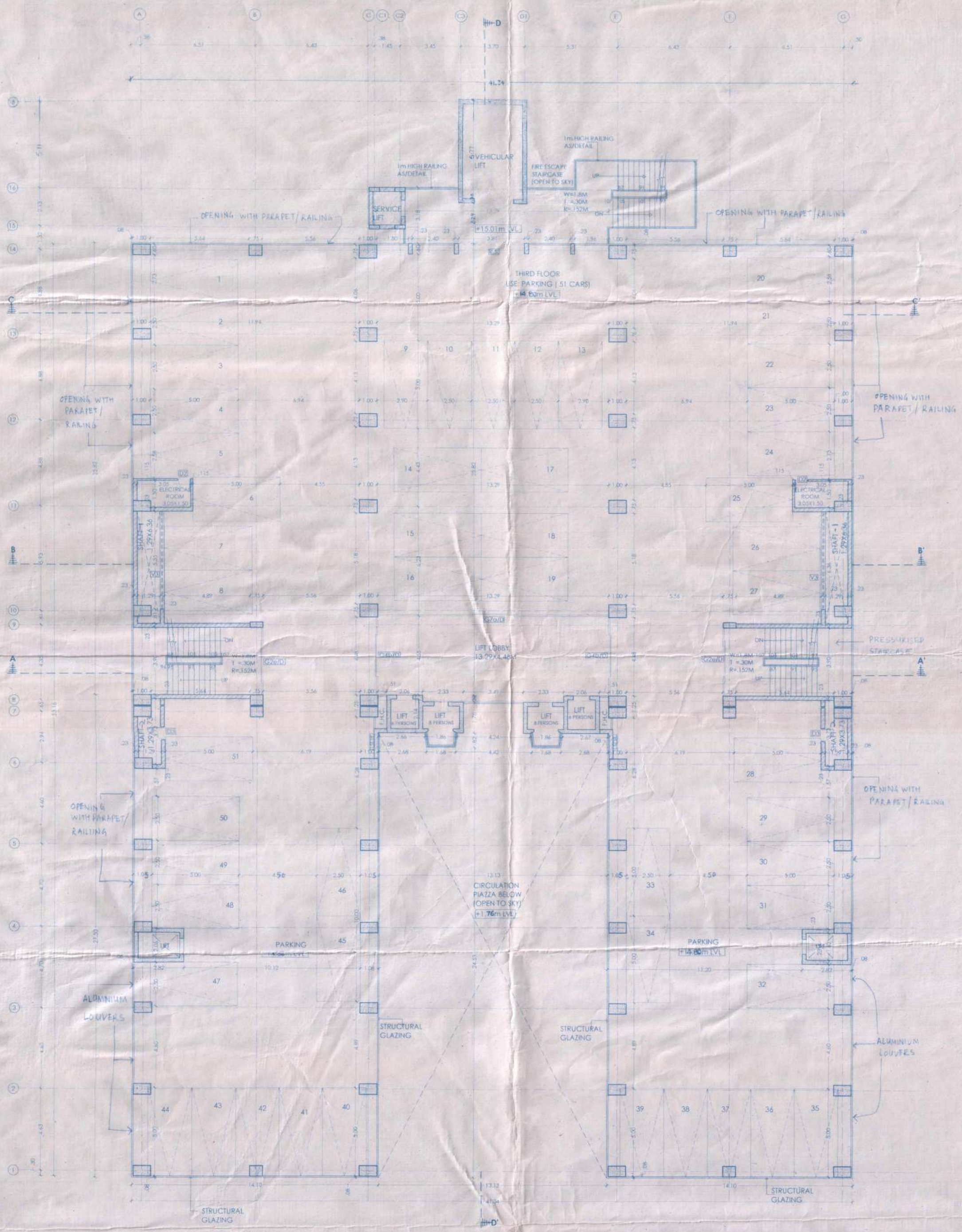

THIRD FLOOR

AREA STATEMENT (THIRD FLOOR)
COVERED AREA = UPPER GROUND FLOOR AREA - {2X(2.57X2.14)+ 2X(2.33X1.76)+ 2X{(1.68+1.36/2)X0.82)+ 1.96X3.28+ 16.79X4.80 +7.73X2.40+ 3.93X1.04+ 2.46X2.82+2.04X
= 1977.9566 - [2X5.49+ 2X4.1008+ 2X{(3.54/2)X0.82}+ 6.4288+ 80.592+ 18.552+ 4.284+ 2X5.8092]
= 1977.9566 - {10.98+ 8.2016+ 2X1.77X.82+ 6.4288+ 80.592+ 22.836+ 11.6192}
= 1977.9566 - {19.1816+2.9028+ 121.476}
= 1977.9566 - 143.5604
= 1834.3962 SQ.M

PARKING PROVIDED = 51 CARS PARKING.

SANCTIONED
S.D.O (B)
For Estate Officer,
Exercising the powers of
Chief Administrator, U.T. Chd

DOOR WINDOW SCHEDULE				
Sr.No.	Item.No.	C.L. Lvl	LINTEL Lvl	SIZE
1.	G2e/D	±0.00	2.04	3.90X3.07
2.	G4b/D	±0.00	2.04	4.48X3.07
3.	G7a/D	±0.00	2.04	13.29X3.07
4.	R.S.	±0.00	2.40	3.81X2.40
5.	V3	1.10	2.40	5.55X1.30
6.	D2	±0.00	2.10	1.00X2.10
7.	V2	1.77	3.07	2.16X1.30

NOTE:

PROJECT:
PROPOSED COMMERCIAL COMPLEX FOR RSA MOTORS PVT. LTD. & OASIS MOTORS PVT. LTD. ON PLOT NO. 24, INDUSTRIAL AREA, PHASE -1, CHANDIGARH.

DRAWING TITLE: THIRD FLOOR (PARKING)
DRAWING NO. SD-10
SCALE: 1:100
DATED: MAY 2010

For RSA Motors Pvt. Ltd
Director
For OASIS Motors Private Limited
Director
CLIENT:

AR. SUBHASH ARORA
CA-95-18584
ARCHITECT:
SUBHASH ARORA

DRAWN BY: AMAN
CHECKED BY: MADHU

Sthapti
ARCHITECTS, PLANNERS, INT.DESIGNERS
1096, 1st FLOOR
SECTOR-11, PANCHKULA (HR)
TEL : 0172 - 50 111 49
email: sthapti@yahoo.com

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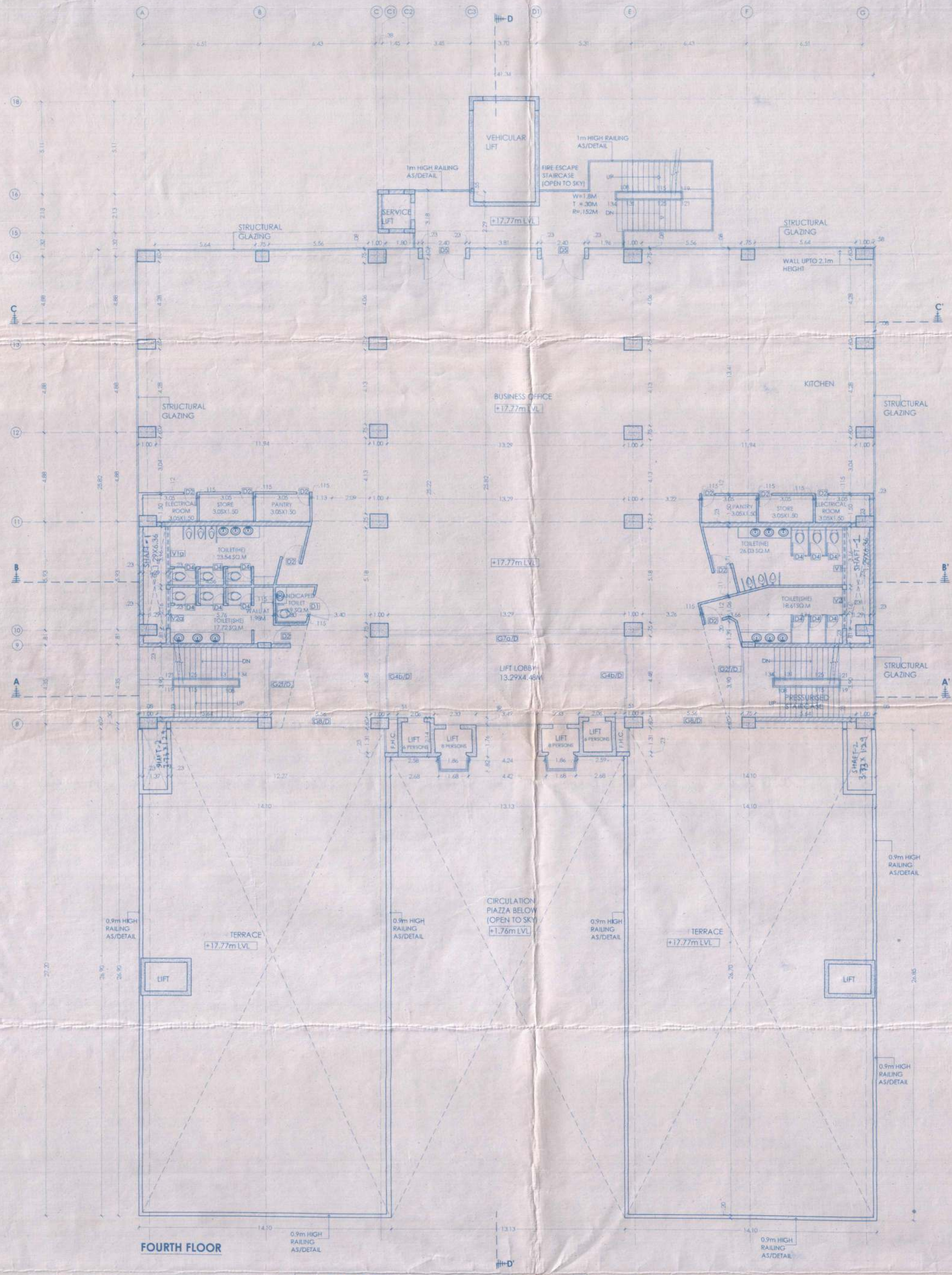

FOURTH FLOOR

SANCTIONED
S.D.O (B)
For Estate Officer,
Excercising the powers of
Chief Administrator, U.T. Chd

OCCUPANCY CHART
FOURTH FLOOR (BUSSINESS OFFICE FLOOR)
AREA = 1075.8162 SQMT
NUMBER OF USERS AT 6 MT SQ/PERSON = 1075.8162/6 = 179 PEOPLE
MALE USERS AT 60% = 109 MALES
WC PROVIDED = 6
URINAL PROVIDED = 6
WB PROVIDED =6
FEMALE USERS 40% = 70 FEMALES
WC PROVIDED = 6
WB PROVIDED = 6

AREA STATEMENT (FOURTH FLOOR)
COVERED AREA = UPPER GROUND FLOOR AREA - {2X(2.57X2.14)+ 2X(2.33X1.76)+ 2X{($\frac{1.68+1.86}{2}$)X0.82}+ 1.96X3.28+ 16.79X4.80 +7.73X2.40+3.93x1.09+ 2X(2.82X2.06)+ 2X(14.10X26.90) }
= 1977.9566 - [2X5.49+ 2X4.1008+ 2X{($\frac{3.54}{2}$)X0.82}+ 6.4288+ 80.592+ 18.552+4.284 2X5.8092+ 2X379.29]
= 1977.9566 - {10.98+ 8.2016+ 2X1.77X.82+ 6.4288+ 80.592+ 18.552+4.284+ 11.6192+ 758.58]
= 1977.9566 - [143.5604+ 758.58]
= 1977.9566 - 902.1404
= 1075.8162 SQ.M - (SHAFT -1) X2
= 1075.8162 - 16.408 = 1059.408 Sqm

PROJECT :
PROPOSED COMMERCIAL COMPLEX FOR RSA MOTORS PVT. LTD. & OASIS MOTORS PVT. LTD. ON PLOT NO. 24, INDUSTRIAL AREA, PHASE -1, CHANDIGARH.

DRAWING TITLE: FOURTH FLOOR
DRAWING NO. SD-11
SCALE: 1:100
DATED: MAY ,2010

DOOR WINDOW SCHEDULE

Sr.No	Item No.	CILL LVL	LINTEL LVL	SIZE
1.	G2f/D	± 0.00	3.23	3.90X3.23
2.	G8/D	± 0.00	3.23	5.56X3.23
3.	G9/D	± 0.00	3.23	13.29X3.23
4.	D1	± 0.00	2.10	1.20X2.10
5.	D2	± 0.00	2.10	1.00X2.10
6.	D4	± 0.00	2.10	0.68X2.10
7.	D5	± 0.00	2.10	2.40X2.10
8.	D6	± 0.00	2.10	1.80X2.10
9.	V1a	1.93	3.23	3.16X1.30
10.	V2a	1.93	3.23	2.16X1.30
11.	V1g	2.13	3.23	3.16X1.30

NOTE
1. THE FLOOR HAS BEEN PROVIDED WITH STRUCTURAL GLAZING AND FULLY AIR CONDITIONED WITH 100% POWER BACK UP.

For RSA Motors Pvt. Ltd
Director
For OASIS Motors Private Limited
Director
CLIENT:

AR. SUBHASH ARORA
CA-95-18584
ARCHITECT:
SUBHASH ARORA

DRAWN BY: AMAN
CHECKED BY: MADHU

Sthapti
ARCHITECTS, PLANNERS, INT.DESIGNERS
1096, 1st FLOOR
SECTOR-11, PANCHKULA (HR)
TEL : 0172 - 50 111 49
email:sthapti@yahoo.com

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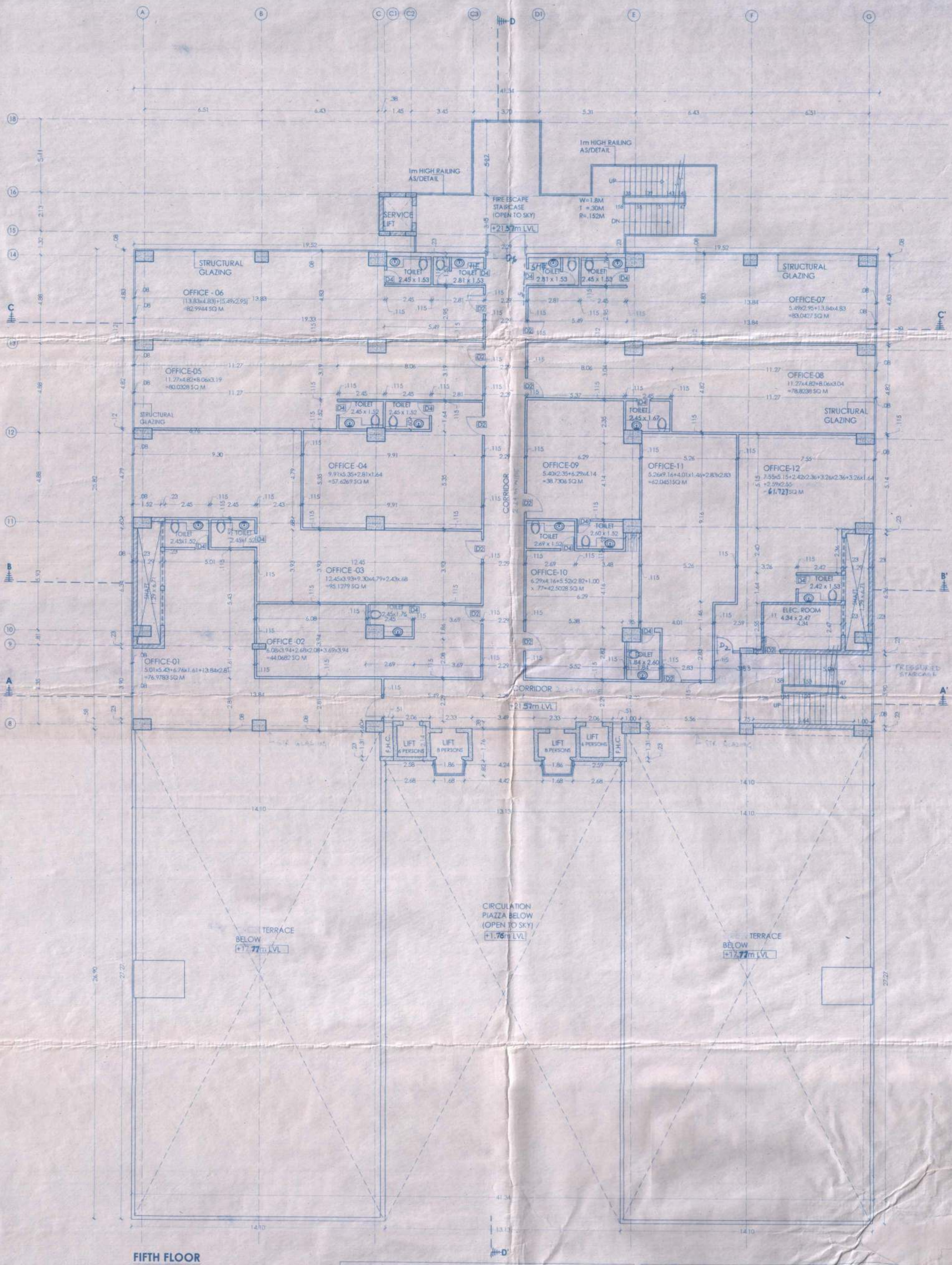


FIFTH FLOOR

OCCUPANCY CHART
FIFTH FLOOR (BUSSINESS OFFICE FLOOR)
AREA = 1075.8162 SQMT
NUMBER OF USERS AT 6 MT SQ/PERSON = 1075.8162/6 = 179 PEOPLE
MALE VISITOR TOILET = 1
FEMALE VISITOR TOILET = 1
NO OF OFFICE CABINS = 12
NO OF TOILETS = 12

SANCTIONED
SDO (B)
For Estate Officer,
Excercising the powers of
Chief Administrator, U.T. Chd.

AREA STATEMENT (FIFTH FLOOR)
COVERED AREA = UPPER GROUND FLOOR AREA - {2X(2.57X2.14)+
2X(2.33X1.76)+ 2X([1.68+1.06]X0.82)+ 1.96X3.28+ 16.79X4.80 +7.73X2.40+ 4.93X1.64+
2X(2.82X2.06)+ 2X(14.10X26.90) }
= 1977.9566 - [2X5.49+ 2X4.1008+ 2X([2.94+1.06]X0.82)+ 6.4288+ 80.5392+ 18.552+4.284+
2X5.8092+ 2X379.29]
= 1977.9566 - [10.98+ 8.2016+ 2X1.77X.82+ 6.4288+ 80.5392+ 18.552+ 11.6192+
758.58 + 4.284]
= 1977.9566 - [143.5604+ 758.58]
= 1977.9566 - 902.1404
= 1075.8162 SQ.M - (SHAFT-1) 2 =1075.8162 - 16.408 = 1059.408 Sqm

PROJECT:	DRAWING TITLE:	DRAWING NO.
PROPOSED COMMERCIAL COMPLEX FOR RSA MOTORS PVT. LTD. & OASIS MOTORS PVT. LTD. ON PLOT NO. 24, INDUSTRIAL AREA, PHASE -1. CHANDIGARH.	FIFTH FLOOR	SD-12
	SCALE: 1:100	DATED: MAY 2010

DOOR WINDOW SCHEDULE

Sr.No	Item No.	C.L.L. Lvl	LINTEL Lvl	SIZE
1.	G2f/D	± 0.00	3.07	3.90X3.07
2.	G4a/D	± 0.00	3.07	4.48X3.07
3.	G7/D	± 0.00	3.07	13.29X3.07
4.	G10/D	± 0.00	3.07	3.81X3.07
5.	D1	± 0.00	2.10	1.20X2.10
6.	D2	± 0.00	2.10	1.00X2.10
7.	D4	± 0.00	2.10	0.68X2.10
8.	V1	1.77	3.07	3.16X1.30
9.	V2	1.77	3.07	2.16X1.30

NOTE
1. ALL BUSSINESS OFFICE FLOORS HAS BEEN PROVIDED WITH STRUCTURAL GLAZING AND FULLY AIR CONDITIONED WITH 100% POWER BACK UP.
2 TOILETS ARE MECHANICALLY VENTILATED.

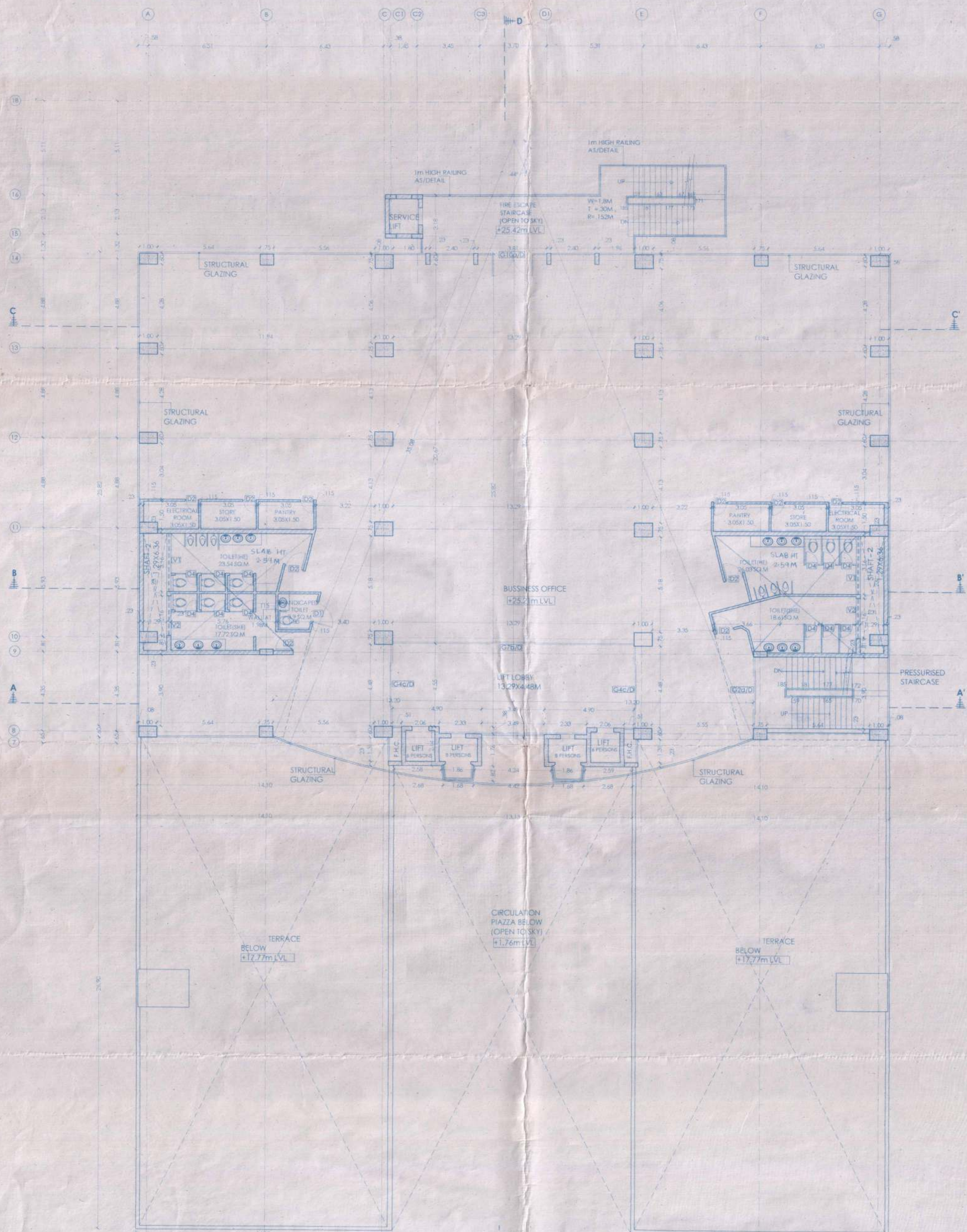
For RSA Motors Pvt. Ltd
Director
For OASIS Motors Private Limited
Director
CLIENT:

AR. SUBHASH ARORA
CA-95-18584
ARCHITECT:
SUBHASH ARORA

DRAWN BY: AJESH
CHECKED BY: MADHU

Sthapti
ARCHITECTS, PLANNERS, INTERIOR DESIGNERS
13626, 1st FLOOR
SECTOR-11, PANCHKULA (HR)
TEL : 0172 - 50 111 49
email.sthapti@yahoo.com

S-2/13



SIXTH FLOOR

SANCTIONED
S.D.O.(B&R)
For Estate Officer,
Exercising the powers of
Chief Administrator, U.T.

AREA OF SEGMENT= $[\{\frac{R\times R}{2}(\Theta-\sin\Theta)\}]$-2X(AREA OF TRIANGLE)
AREA OF TRIANGLE= $\frac{1}{2}$XBASE X HEIGHT

OCCUPANCY CHART
SIXTH FLOOR (BUSSINESS OFFICE FLOOR)
AREA = 1105.0527 SQMT
NUMBER OF USERS AT 6 MT SQ/PERSON = 1105.0527/6 = 184 PEOPLE
MALE USERS AT 60% = 110 MALES
WC PROVIDED =6
URINAL PROVIDED = 6
WB PROVIDED = 6
FEMALE USERS 40% = 74 FEMALES
WC PROVIDED = 6
WB PROVIDED = 6

AREA STATEMENT (SIXTH FLOOR)
COVERED AREA =UPPER GROUND FLOOR AREA - {2X(4.90X2.14)+ 2X{$(\frac{1.68+1.86}{2})$X0.82}+ 3.49X0.38+ 1.96X3.28+ 16.79X4.80 +7.73X2.40 +3.93 X1.09+ 2X(2.82X2.06)+ 2X(14.10X26.90)} +AREA OF SEGMENT
=1977.9566-[2X10.486 + 2X{$(\frac{3.54}{2})$X0.82}+ 1.3262+ 6.4288+ 80.592+ 18.552+4.284 2X5.809 +2X 379.29}+ [{$(\frac{35.08\times35.08}{2})$(44X $(\frac{3.14}{180})$-SIN44°)}- 2{$\frac{1}{2}$X32.50X13.20}]
=1977.9566-[20.972+ 2X{1.77X0.82}+ 111.183+ 11.618+ 758.58}+ [{(615.3032)(44X.0174-0.0177)-2X214.5}]
=1977.9566-[20.972+ 2.9028+ 881.381]+ [{615.3032X(0.7675-0.0177)-429}]
=1977.9566- 905.2558+ [{615.3032X0.7498}-429]
=1977.9566- 905.2558+ [461.3519- 429]
=1977.9566- [905.2558+ 32.3519]
=1977.9566- 872.9039
=1105.0527 - (SHAFT-1)x2
= 1105.0527 - 16.408 = 1088.644

DOOR WINDOW SCHEDULE

Sr.No.	Item No.	C.L. D/F	LINTEL Lvl	SIZE
1.	G3d/D	± 0.00	3.23	3.90X3.23
2.	G4c/D	± 0.00	3.23	4.48X3.23
3.	G7b/D	± 0.00	3.23	13.29X3.23
4.	G10a/D	± 0.00	3.23	3.61X3.23
5.	D1	± 0.00	2.10	1.20X2.10
6.	D2	± 0.00	2.10	1.00X2.10
7.	D4	± 0.00	2.10	0.69X2.10
8.	V1a	1.93	3.23	3.16X1.30
9.	V2a	1.93	3.23	2.56X1.30

NOTE:
1. ALL BUSSINESS OFFICE FLOORS HAS BEEN PROVIDED WITH STRUCTURAL GLAZING AND FULLY AIR CONDITIONED WITH 100% POWER BACK UP.

PROJECT:
PROPOSED COMMERCIAL COMPLEX FOR RSA MOTORS PVT. LTD. & OASIS MOTORS PVT. LTD. ON PLOT NO. 24, INDUSTRIAL AREA, PHASE -1, CHANDIGARH.

DRAWING TITLE: SIXTH FLOOR
DRAWING NO. SD-13
SCALE: 1:100
DATED: MAY, 2010

For RSA Motors Pvt. Ltd.
Director
For OASIS Motors Private Limited
Director
CLIENT:

AR. SUBHASH ARORA
CA-95-18584
ARCHITECT:
SUBHASH ARORA

DRAWN BY: AMAN
CHECKED BY: MADHU

Sthapti
ARCHITECTS, PLANNERS, INT.DESIGNERS
1096, 1st FLOOR
SECTOR-11, PANCHKULA (HR)
TEL : 0172 - 50 111 49
email:sthapti@yahoo.com

SD2/14

FIRE ESCAPE STAIRCASE (OPEN TO SKY)

0.88m HIGH RAILING AS/DETAIL

+29.82m LVL

SERVICE LIFT 3.48

+29.62m LVL

W=1.8M
T =.30M
R=.152M DN

84 191 197 209 209 208 197

15.66 11.58 14.10

0.88m HIGH RAILING AS/DETAIL

0.88m HIGH RAILING AS/DETAIL

0.88m HIGH RAILING AS/DETAIL

15.11

25.82 25.36

TERRACE (UNUSABLE)
+29.02m LVL

(LOW SLAB+28.07M)

FIRE WATER TANK 20KL CAPACITY

DOMESTIC WATER TANK 50KL CAPACITY

FLUSHING WATER TANK 25 KL CAPACITY

ALL TANKS WITH IN PERMISSIBLE HT.

SHAFT-1 1.28X6.35

LOW SLAB LVL+28.07M

SOLAR WATER HEATER WITHIN PERMISSIBLE HT.

SOLAR WATER HEATER

SHAFT-1 1.28X6.35

6.35 .23 .23 3.90

1.28 .23 .23 37.85 1.28 .23 .23

0.88m HIGH RAILING AS/DETAIL

0.88m HIGH RAILING AS/DETAIL

0.88m HIGH RAILING AS/DETAIL

SHAFT-2

2.30

SHAFT-2

14.10 2.61 1.68 .09 .09 .30 3.62 .30 1.68 .09 .09 2.60 14.10

0.88m HIGH RAILING AS/DETAIL

0.88m HIGH RAILING AS/DETAIL

13.46

0.88m HIGH RAILING AS/DETAIL

27.49

GREEN TERRACE BELOW
+17.77m LVL

+21.78m LVL

2.83 11.26 13.14 25.43

0.88m HIGH RAILING AS/DETAIL

GREEN TERRACE BELOW
+17.77m LVL

+21.78m LVL

11.26 2.83 1.91

0.88m HIGH RAILING AS/DETAIL

0.88m HIGH RAILING AS/DETAIL

12.13

14.10 13.14 14.10

SANCTIONED
SD.O (EB)
For Estate Officer,
Exercising the powers of
Chief Administrator, UT, Chd

PROJECT :	DRAWING TITLE:	DRAWING NO.
PROPOSED COMMERCIAL COMPLEX FOR RSA MOTORS PVT. LTD. & OASIS MOTORS PVT. LTD. ON PLOT NO. 24, INDUSTRIAL AREA, PHASE -1, CHANDIGARH.	TERRACE PLAN	SD-14
	SCALE: 1:100	DATED: MAY,2010

DOOR WINDOW SCHEDULE

Sr.No.	Item.No.	CILL Lvl	LINTEL Lvl	SIZE

NOTE

For RSA Motors Pvt. Ltd.
Director

For OASIS Motors Private Limited
Director

CLIENT:

AR. SUBHASH ARORA
CA-95-18584

ARCHITECT:
SUBHASH ARORA

DRAWN BY: AMAN
CHECKED BY: MADHU

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