



United Elevators

**"United" your
dependable partner
in vertical transportation**



United Elevators

Company Profile



M/s United Elevator group started their business in 1974 as a maintenance and servicing organization. Within a short span of time UNITED became a pioneer in lift servicing and was maintaining close to a thousand elevators in West Bengal, Bihar, UP & Bangladesh in the early eighties.

After having exposure to wide variety of elevators, UNITED started renovation and installation of single speed elevators with exclusive technologies since early nineties.

In the late nineties, UNITED became a small scale manufacturer of single speed elevators.

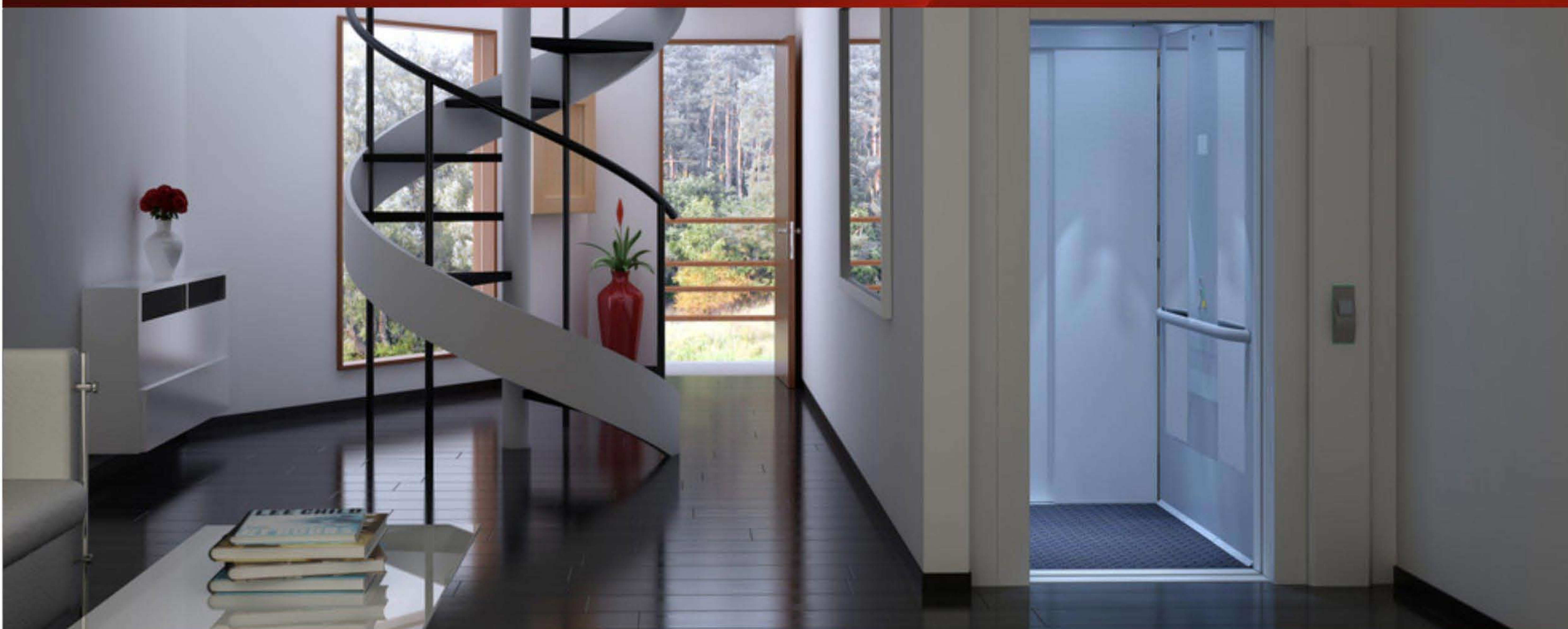
Since the year 2006, UNITED started developing fully indigenous microprocessor based lift controls using state of the art hard wares from multinational giants like Rockwell, Siemens, Yaskawa and Toshiba to name a notable few. Current competencies encompass ,supplying lifts for each and every application.

Thanks to our state of the art indigenously developed technology and industry experience we are successfully able to lock horns with many of our competitors like Otis, Kone, Mitsubishi, ThyssenKrupp, Axis, Schindler etc and have proved to be second to be none in the regions we operate.





United Elevators



Elevators are now a part and parcel of everyday life. In the fast life style, old age comforts mixed with various other needs are compelling even low rise house holds, to install the lift. United is having the latest state of the art technology to suit each and every need of vertical transportation, be it Office, Residence, Hospitals, Factories, Shopping Malls, Libraries, Stock Houses - UNITED has a ready solution.

UNITED was your partner in modernization and maintenance of elevators since last 4 decades- now they are into manufacturing foreign and catering to most of the elevator applications.

United Home Lift

United Home Lift is very easy to install because its unique technology. The Gearless motor weighs around 80 kg and is fixed on rail top. Any one side of the lift shaft requires a load bearing wall where the brackets & rail can be fixed.

Cabin movement possible with a cantilever platform which makes all other 3 sides of the shaft free. The model is ideal for old and new buildings. Speed of the lift is 0.32 m/sec maximum.

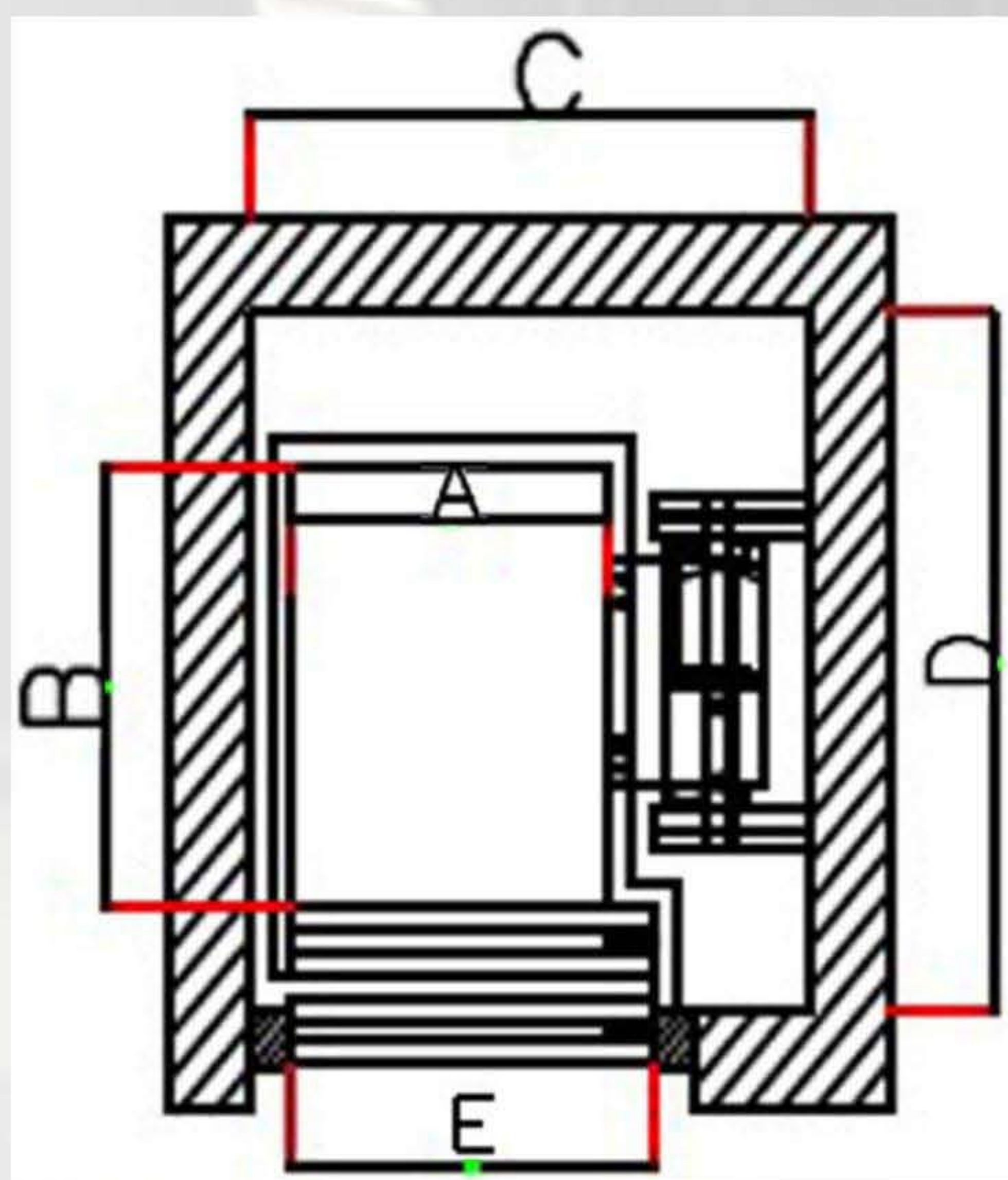
Advantages

- Equipped with single phase gearless machine.
- Capacity up to 272 kg and travel up to 12 mtrs.
- Outdoor & Indoor application.
- Pit required a maximum of 600mm.
- No machine. Room required.
- Smooth ride and Smooth landing.
- Easy installation procedures.



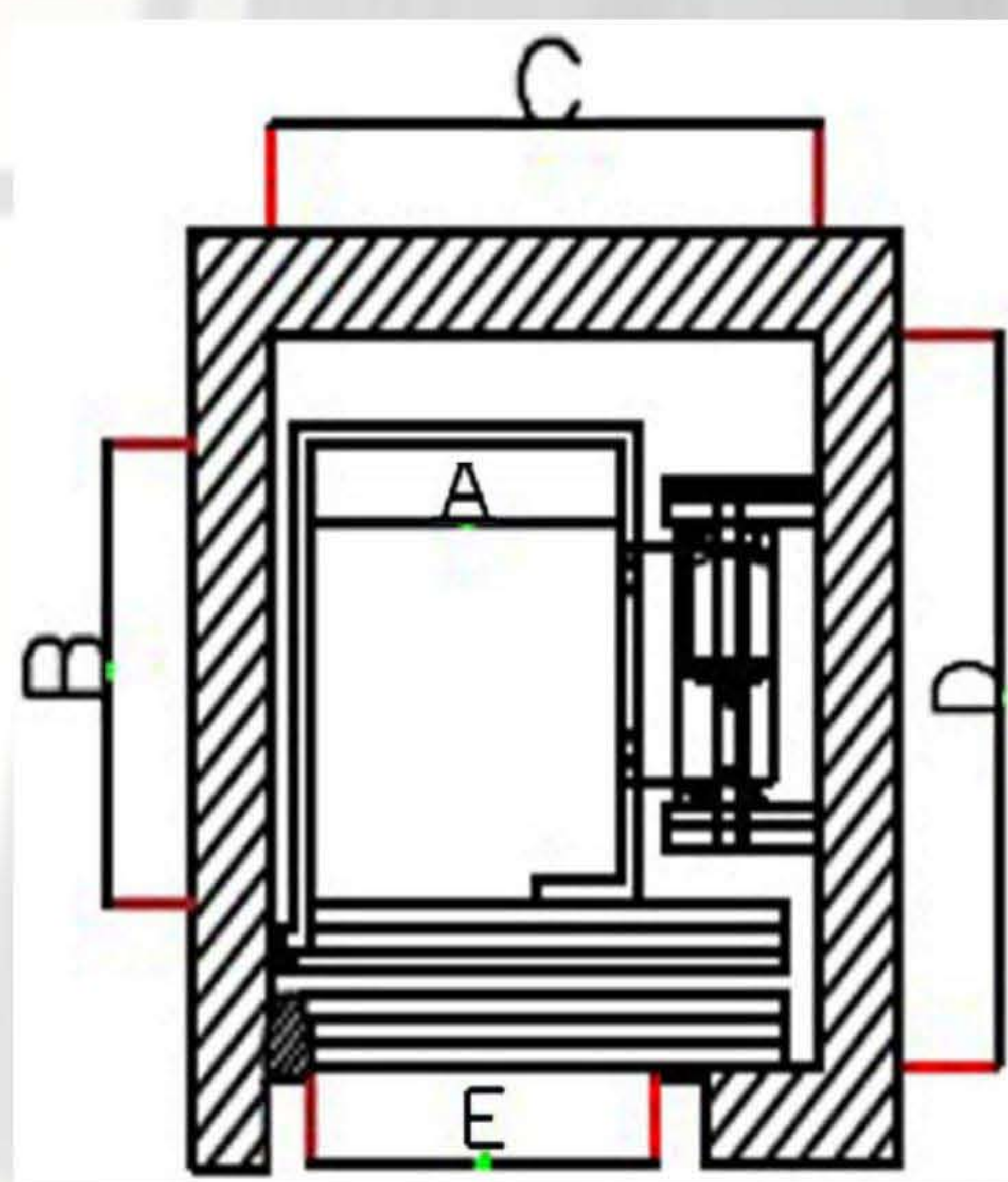
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Lift Well And Car Plan Collapsible Door



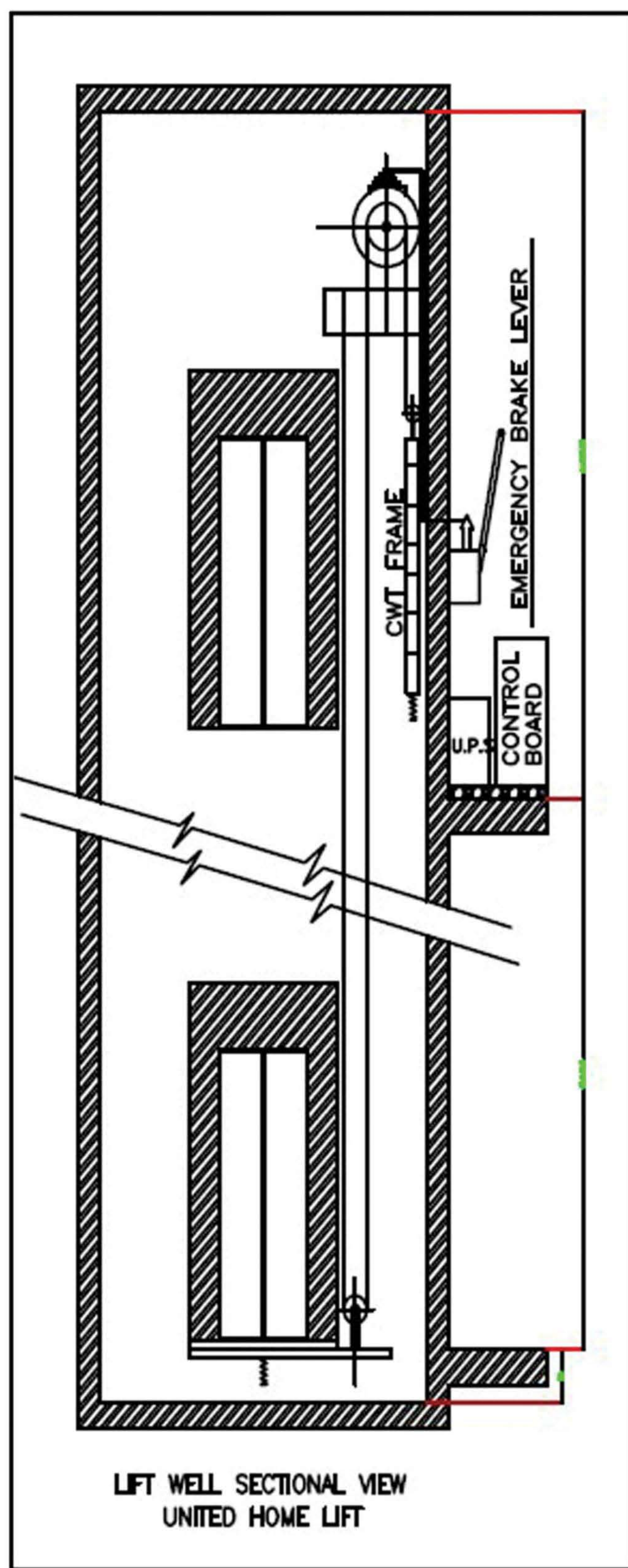
Load		Car Inside		Lift Well		Entrance
Persons	Kg.	A	B	C	D	E
4	272	800	1100	1400	1450	900
4	272	900	1100	1500	1500	900

Lift Well And Car Plan Auto Door



Load		Car Inside		Lift Well		Entrance
Persons	Kg.	A	B	C	D	E
4	272	800	1100	1400	1450	900
4	272	900	1100	1450	1500	900

United Home Lift



* Dimensions are indicative only



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United Goods

This is pure goods lifts with higher lifting capacity.

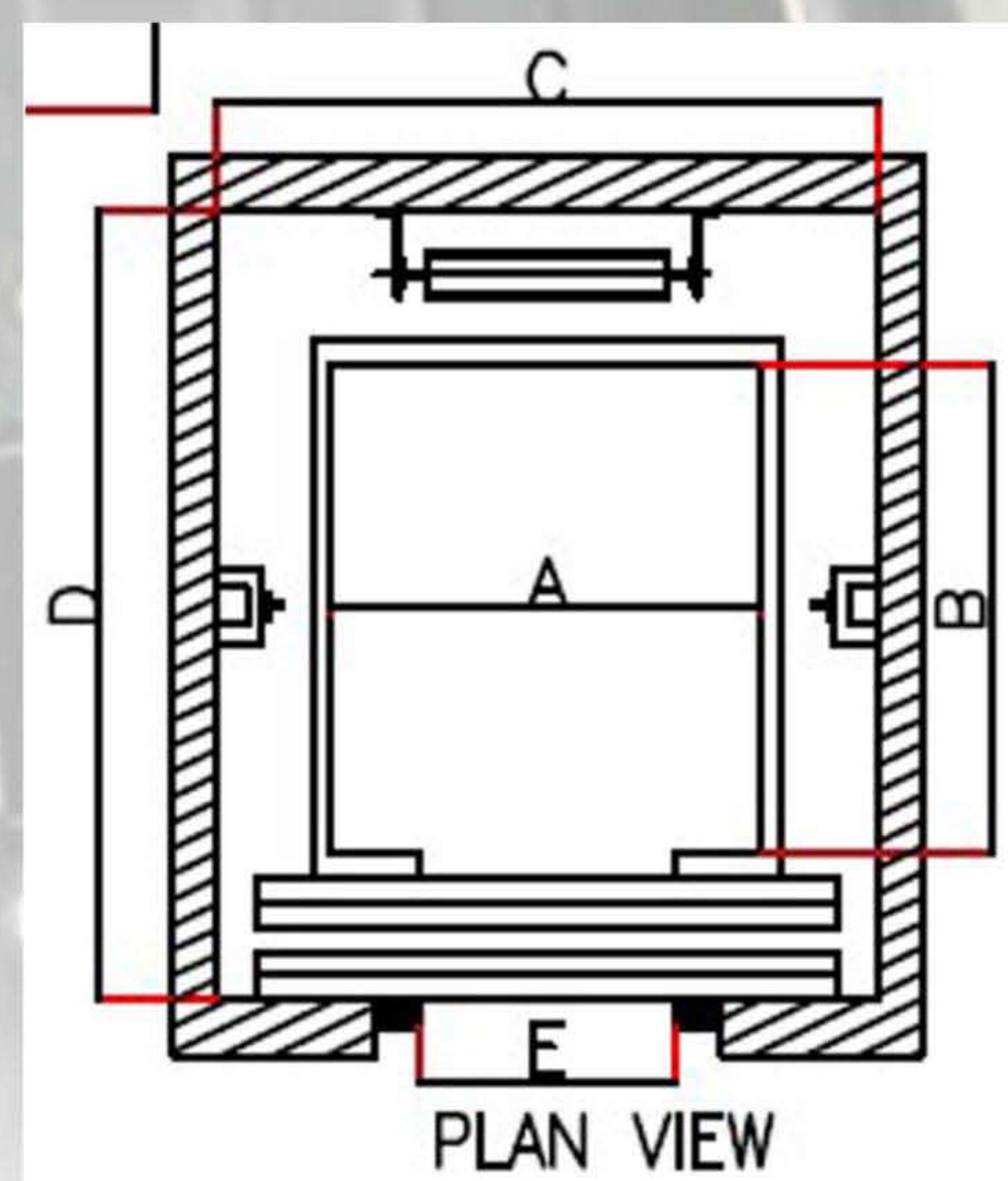
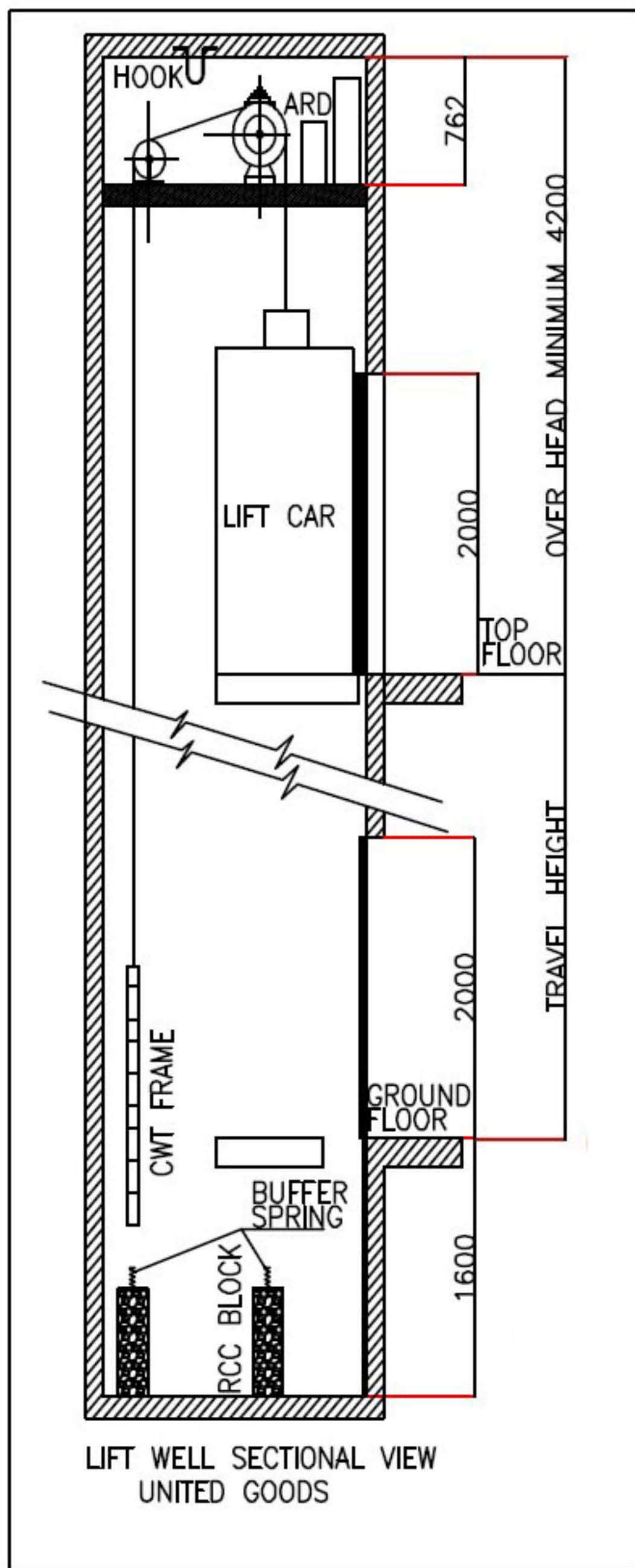
Available with geared and gearless machines.

Speed is 0.5 to 1.5 meters MPS.

Capacity- 500 kg to 4000 kg.

Lift Well And Car Plan Goods Lift

Load	Car Inside		Lift Well		Entrance
Kg.	A	B	C	D	€
500	1100	1200	1900	1500	1100
1000	1400	1800	2300	2100	1400
1500	1700	2000	2600	2300	1700
2000	1700	2500	2600	2800	1700
2500	2000	2500	2900	2800	2000
3000	2000	3000	2900	3300	2000
4000	2500	3000	3400	3300	2500
5000	2500	3600	2400	3900	2500





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United MRL

This is the basic model of gearless lift with various speed options. This model is suitable for with or without machine room applications. Gearless machines powered by PMSM motors which provides lesser power consumption (up to 30%) and low operating noise levels. Maintenance is much less in comparison to geared

- Height- up to 34 stops (100 meters).
- Speed- 1 to 2 mtr/sec.



United Respack

This model equipped with geared motors in machine rooms. This is a very economical model for lesser heights.

- Speed is 0.7 mtr/sec and 1 mtr/sec.
- Capacity of the lifts ranging from 4 to 26





Standard Dimensions of Passenger Lifts MRL Centre Opening Doors

PASSENGER LIFTS : MRL : COPD DOORS : SHAFT Sizes

					1.0mps <= Rated Speed <= 2.0mps	
No. Of Passengers	Rated Load Kg.	Car Size		2 Centre Opening Door	Shaft Size	
		Width	Depth	Width	Width	Depth
4	272	900	850	700	1600	1550
6	408	1000	1100	800	1800	1700
8	544	1300	1100	800	1950	1800
10	680	1350	1300	800	2000	1900
13	884	1600	1400	1000	2300	1950
15	1020	1600	1550	1000	2300	2050
16	1088	1600	1600	1000	2300	2100
20	1360	1800	1700	1100	2700	2300
22	1496	1800	1900	1100	2700	2400
26	1768	1900	2000	1100	2800	2450
29	1972	2350	1700	1200	3100	2200

Standard Dimensions of Passenger Lifts With Machine Room : Shaft Sizes

PASSENGER LIFTS WITH MACHINE ROOM : SHAFT Sizes

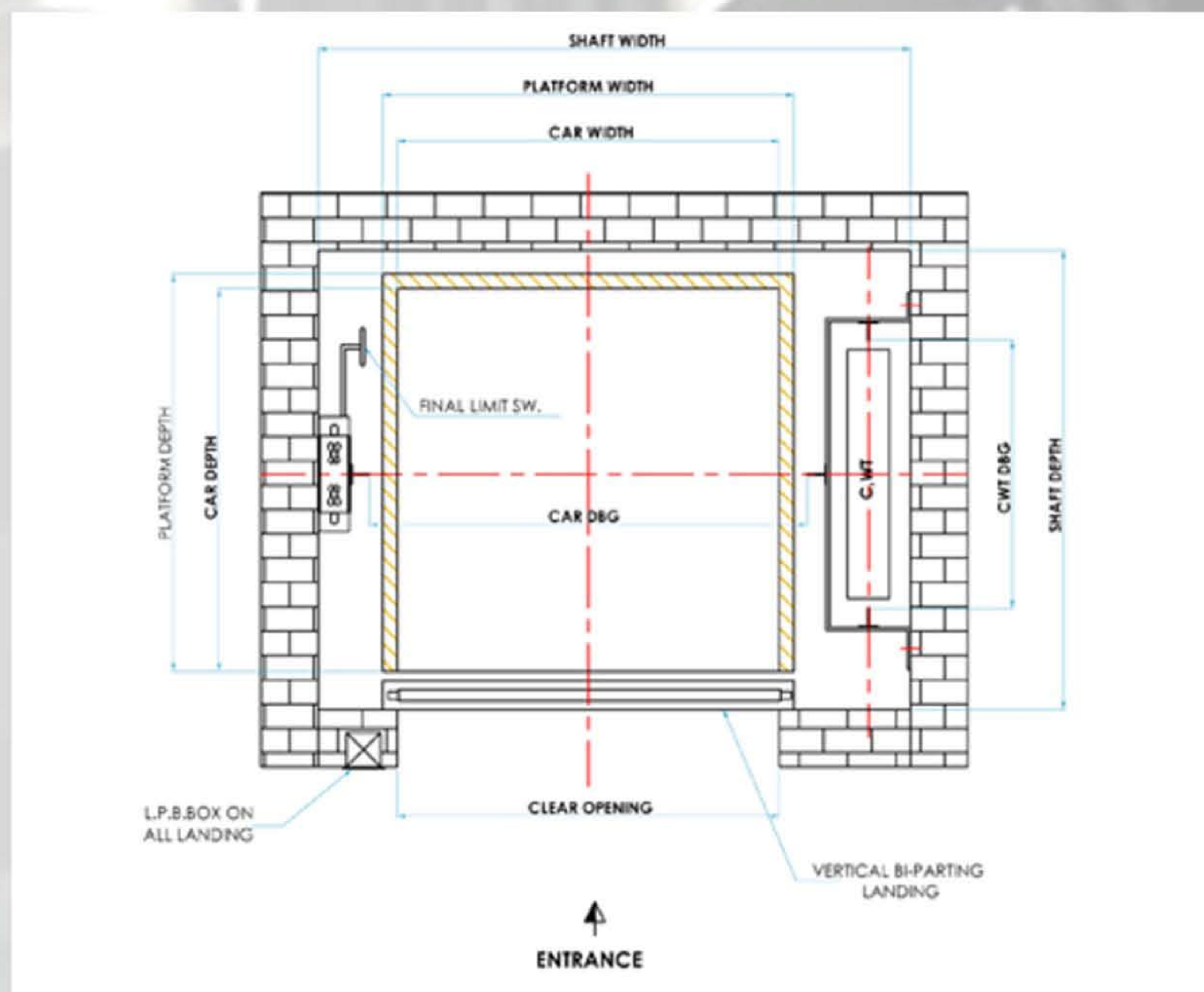
					Rated Speed = 0.6 mps		1.0mps <= Rated Speed <= 2.0mps	
No. Of Passengers	Rated Load (Kg.)	Car Size		Centre Opening Door	Shaft Size		Shaft Size	
		Width	Depth	Width	Width	Depth	Width	Depth
4	272	1100	700	800	1900	1300	1900	1300
6	408	1100	1000	800	1900	1700	1900	1700
8	544	1300	1100	800	1900	1900	1900	1900
10	680	1300	1350	800	1900	2150	1900	2150
13	884	2000	1100	900	2600	1900	2600	1900
14	952	1600	1400	900	2200	2100	2200	2100
16	1088	1600	1600	1000	2200	2300	2200	2300



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United Dumb Waiter



Cross Section Plan Of Dumb Waiter Shaft

Civil Dimensions For Dumb Waiter

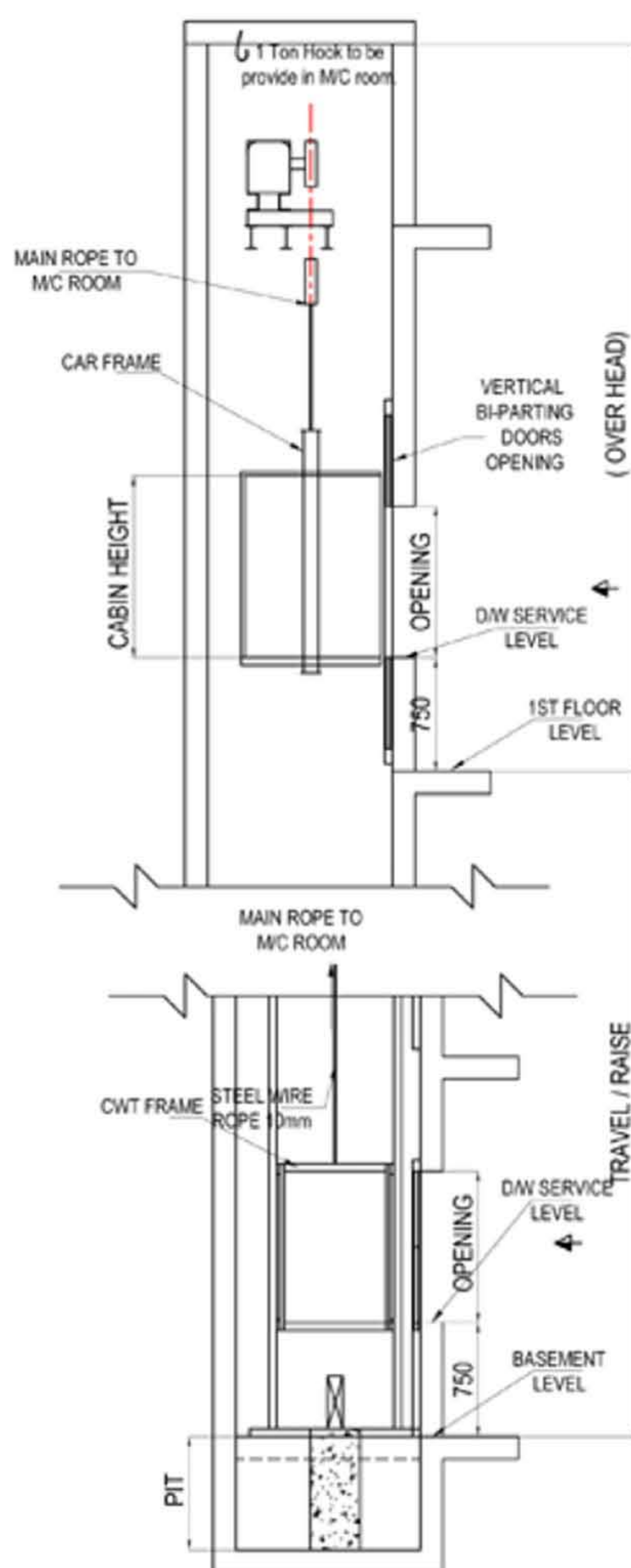
Capacity	Car Inside		Lift Well		Entrance		Machine Room Size			PIT	Over Head
Load in Kg.	Width	Depth	Width	Depth	Width	Height	Width	Depth	Height		
100	700	700	1200	900	700	800	1200	1150	1200	750	4400
150	800	800	1300	1000	800	900	1300	1150	1200	750	4400
200	900	900	1400	1100	900	1000	1400	1150	1200	750	4400
250	1000	1000	1500	1200	1000	1200	1500	1200	1200	750	4400



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United Dumb Waiter



Sectional Elevator of lift shaft.
UNITED DUMB WAITER

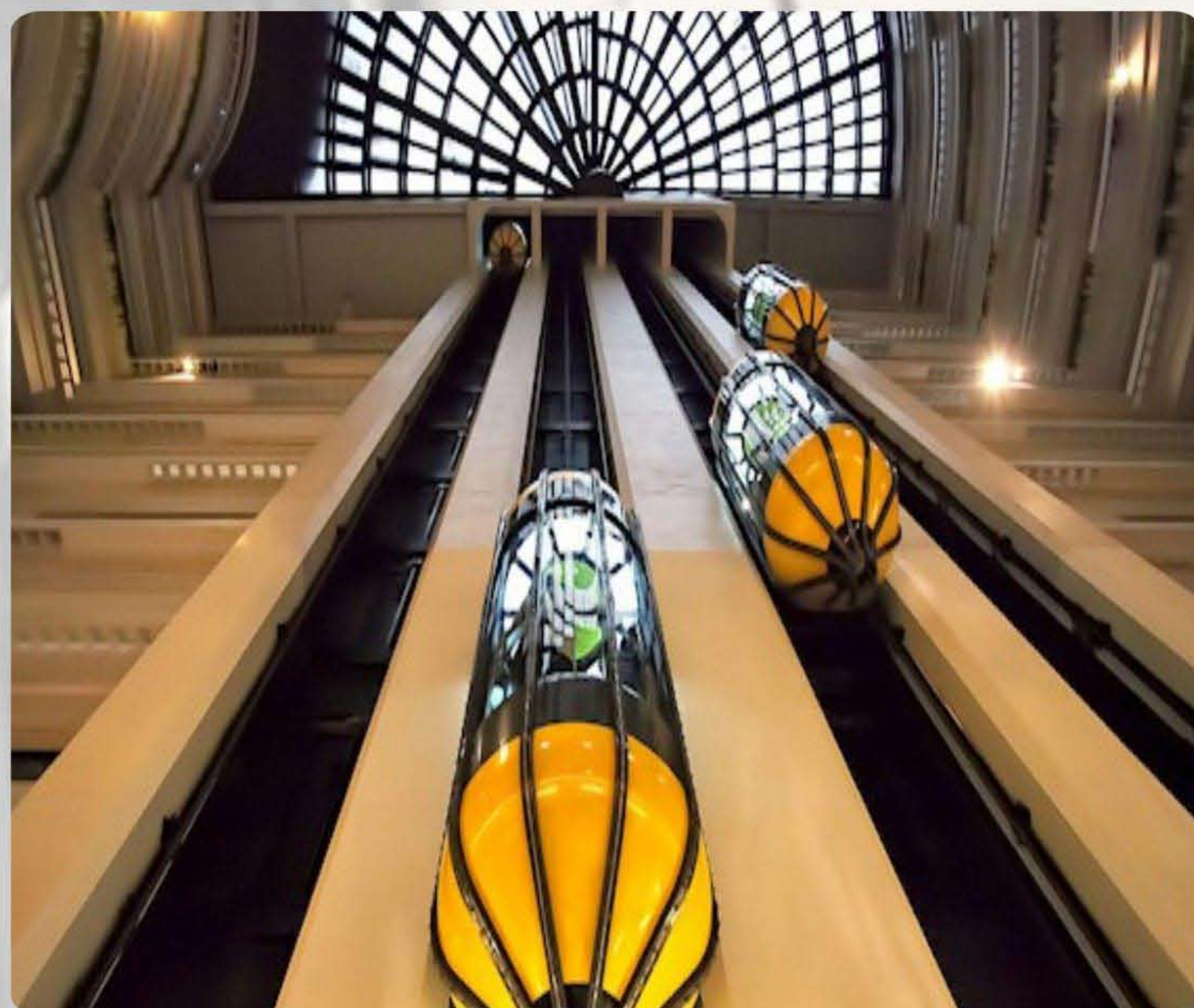


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United Capsule

This model incorporates an integrated controller to achieve maximum speed and ride comfort. Controller working in CAN bus serial communication protocol which can be programmed at site and ensure easy and quick fault diagnosis. This high speed elevator provides more flexibility and high reliability for better passenger comfort and utmost safety.

- Height limit is 64 stops (192 mtrs)
- Speed is available from 2 mtr to 4mtr/sec.
- Capacity from 8 to 22 passengers.



Our Clients

1. ARO DIAGNOSTIC CENTRE, EAST MIDNAPUR
2. ASANSOL JUDGE COURT
3. ANMOL BISCUITS LTD.DANKUNI
4. BANDEL THERMAL POWER STATION
5. BANGUR BROTHERS
6. B.C. HOSPITAL KALYANI
7. BELSARI TEA CO (I) LTD
8. BIMAL KR. CHOUDHARY (NEW ALIPUR)
9. B.N. BOSE HOSPITAL
10. BOARD OF SECONDARY EDUCATION
11. BURDWAN HOSPITAL
12. C.G.C.R.I
13. CHEMJUTEX EXPORTERS (A/C NAHID COTTON MILLS)DHAKA
14. CONCORD APARTMENT OWNERS ASSOCIATION
15. DEB KUMAR SHAW
16. DIAMOND BEVERAGES PVT LTD





Our Clients

18. G.M.HOSPITAL: KALYANI.
19. GUJRAT BOROSIL LTD.(BARODA)
20. GORSIA DESIGN CENTRE:MAHESTALA
21. ICHAPUR STEEL CENTRE
22. INDIAN STATISTICAL INSTITUTE
23. JAJU PLASTICS PVT LTD
24. JAYANTILAL JAGDISH PRASAD
25. KOLAGHAT THERMAL POWER STATION
26. KOLKATA PORT TRUST
27. K.R.K.NAIR
28. L.I.C.I
29. LOVELOCK TERRACE APARTMENT
30. MADRAS CEMENTS LTD : KOLAGHAT
31. Dr. J. KUILA - TAMLUK
32. M.E.S.(B.M CAMP)
33. M.E.S. (FORT WILLIAM-HQ EASTERN COMMAND)
34. NABARANG SAMABAYA ABASAN
35. NATIONAL INSTITUTE OF BIOMEDICAL GENOMICS: KALYANI
36. L NTADNDAN CO OPERATIVE HOUSING SOCIETY
37. NBCC
38. N.C. DUTTA MEMORIAL HOSPITAL : RAMPURHAT
39. NIVEDITA EYE CARE AND MICROSURGERY DAY CARE CENTRE, BANKURA
40. NIRJHAR APARTMENT
41. PATHIKRIT CO OPERATIVE HOUSING SOCIETY
42. PURULIA SADAR HOSPITAL
43. P.W.D.(CITY CIVIL & SESSION COURT)
44. P.W.D.(BANKSHAL COURT)
46. P.W.D.(MCH HOSPITAL)
47. P.W.D. (NRS MEDICAL COLLEGE & HOSPITAL)
48. P.W.D.(CENTRAL MEDICAL STORES)
49. P.W.D.(NETAJI SUBHAS TB SANATORIUM KALYANI)
50. P.W.D.(NEW SECRETARIATE BUILDING KOLKATA)
51. P.W.D.(POLICE LINES ALIPUR)
52. P.W.D.(N.M.C.H)
53. P.W.D.(BURDWAN MEDICAL COLLEGE & HOSPITAL)
54. P.W.D. (HOOGLY, ARAMBAG POLYTECHNIC)
55. P.W.D. (STATE AIDED UNIVERSITY ASANSOL)
56. P.W.D.(ASANSOL EXCISE BUILDING)
57. P.W.D.(BURDWAN MEDICAL COLLEGE GIRLS HOSTEL)
58. ASHOK PAKHIRA TAMLUK
59. GOUTAM PAKHIRA TAMLUK
60. RABINDRA BHARTI UNIVERSITY - KOLKATA
61. RADHARANI SEN
62. RAMPURHAT SUBDIVISIONAL HOSPITAL
63. RUKHMINI DEVI GORSIA
64. THE BHAVNA BUILDING FLAT OWNERS ASSOCIATION
65. SUBURBAN EDUCATON SOCIETY PANIHATI (ST XAVIER'S INSTITUTION)
66. TATA IRON & STEEL CO LTD (JODA)
67. TRIVENI SHEET GLASS WORKS (ALLAHABAD)
68. UCO BANK. KOLKATA



United Elevators

Traffic Analysis



A lift traffic analysis studies the performance of a group of lifts based on assumptions about the expected traffic situation. The main performance measurements are quantitative (handling capacity) and qualitative (waiting time).

Handling Capacity is expressed as the percentage of the building population the group of lifts can cope with over a given time period (usually in 5 minutes).

Waiting time is exactly that. It is the waiting time for a lift to arrive in response to pressing a call button. The lift traffic analysis is based on assumptions about the flow of the building population e.g. when / where do they enter / leave and are there facilities e.g. restaurants, gyms in the buildings that have a strong effect on the usual passenger flow. The more accurate the passenger movement can be modeled, then the more accurate will be the results of the traffic analysis. Once these are modeled an accurate calculation of the lift performance can be made. The outputs of a traffic analysis will give an accurate indication of the quality and quantity of lift service provided i.e. what the waiting times are and what percentage of the building population can be transported by the lifts in a given time period.





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When can a Traffic Analysis be used?

A lift traffic analysis is fundamental in the design of new buildings to identify the size, speed and capacity of lifts needed to provide the levels of service required. For existing buildings a lift traffic analysis can be used to predict the impact on the lift service of changes in a buildings population and/or configuration e.g. to get the most out of buildings the population is often increased and sometimes features are added to or changed in buildings (restaurants, gyms) that can effect the flow of people. Kindly contact us to deliver a traffic analysis report for your building project which may help you to select the exact product.



Biometric Access Control System

UNITED Biometric access control system is a secure elevator security system. with this system each floor personnel can feed their fingerprints in the designated operating panel and others can not operate the list. It can provide multiple level of safety and can be fixed at landings and cabin.





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Group Control System

If the elevator group control system identifies an elevator which keeps the door open after receiving the allocated hall call signal for long time, the system will cut off that elevator and reallocate the hall call signals, ensuring the shortest waiting time for the passengers.

In case the elevator group control system is breaks down, under maintenance, or power off, every single elevator will keep simplex running, and automatically return to the group control mode after the group controller is re-stored.

Main Functions of the Elevator Group Control System

To meet different requirements and enhance the operation efficiency, the elevator group control system may offer multiple functions.

Automatic Homing to Main Floor

To enhance the transportation ability for main floor, when there is no elevator at the main floor, the elevator group control system will allocate the unallocated elevator that will reach the main floor most easily.

Disperse Car Waiting

Disperse car waiting mode starts when all the elevators under the elevator group control system are idle for more than one minute. The system will allocate one elevator which will reach the main floor most easily waiting with the door closed, if there is no elevator at the main floor or below. The system will allocate another elevator which will reach the higher level floors most easily waiting with the door closed, if there is no elevator at the higher floor.





United Elevators

United Service Products



A) Clean – On

We will maintain and service the lifts for the agreed period and will take care of the following:

Servicing of the lifts ,once a month, which will include cleaning and lubrication of all moving parts, tightening of all electrical connections, checking and adjustment of floor selectors & safety gadgets. Breakdowns will be attended as and when required. Cost of Replacement parts will be charged extra.



B) Clean & Replace

We will maintain and service the lifts for the agreed period and will take care of the following:

Servicing of the lifts ,once a month, which will include cleaning and lubrication of all moving parts, tightening of all electrical connections, checking and adjustment of floor selectors & safety gadgets. Breakdowns will be attended as and when required. Cost of Replacement parts will be free excepting motor, gearbox, rope, cage, control panel, VVVF drive, Friction sheave, Guide rails, Door Operator unit & door panels (in case of auto door)





United Elevators

United Service Products



C) Clean & Replace All

We will maintain and service the lifts for the agreed period and will take care of the following:

Servicing of the lifts ,once a month, which will include cleaning and lubrication of all moving parts, tightening of all electrical connections, checking and adjustment of floor selectors & safety gadgets. Breakdowns will be attended as and when required. Cost of Replacement parts will be free .However service agreement Will Be for a minimum period of three years.

D) Health Check Up

We will check the lifts one time only and suggest rectification/ repairs as Per the visit (chargeable)report of experts . Visit charge will be adjusted in the event repair order is placed with us.

E) Operation And Maintenance

We will place permanent personnel at your premises for operation as well as maintenance of lifts . Any of the above maintenance products can be offered in this category of contract.

F) Clean - On One Time

Servicing of the lift for once , which will include cleaning and lubrication of all moving parts, tightening of all electrical connections,checking and adjustment of floor selectors & safety gadgets.

Please contact United personnel for further details.





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CABINS



UEPLMS01



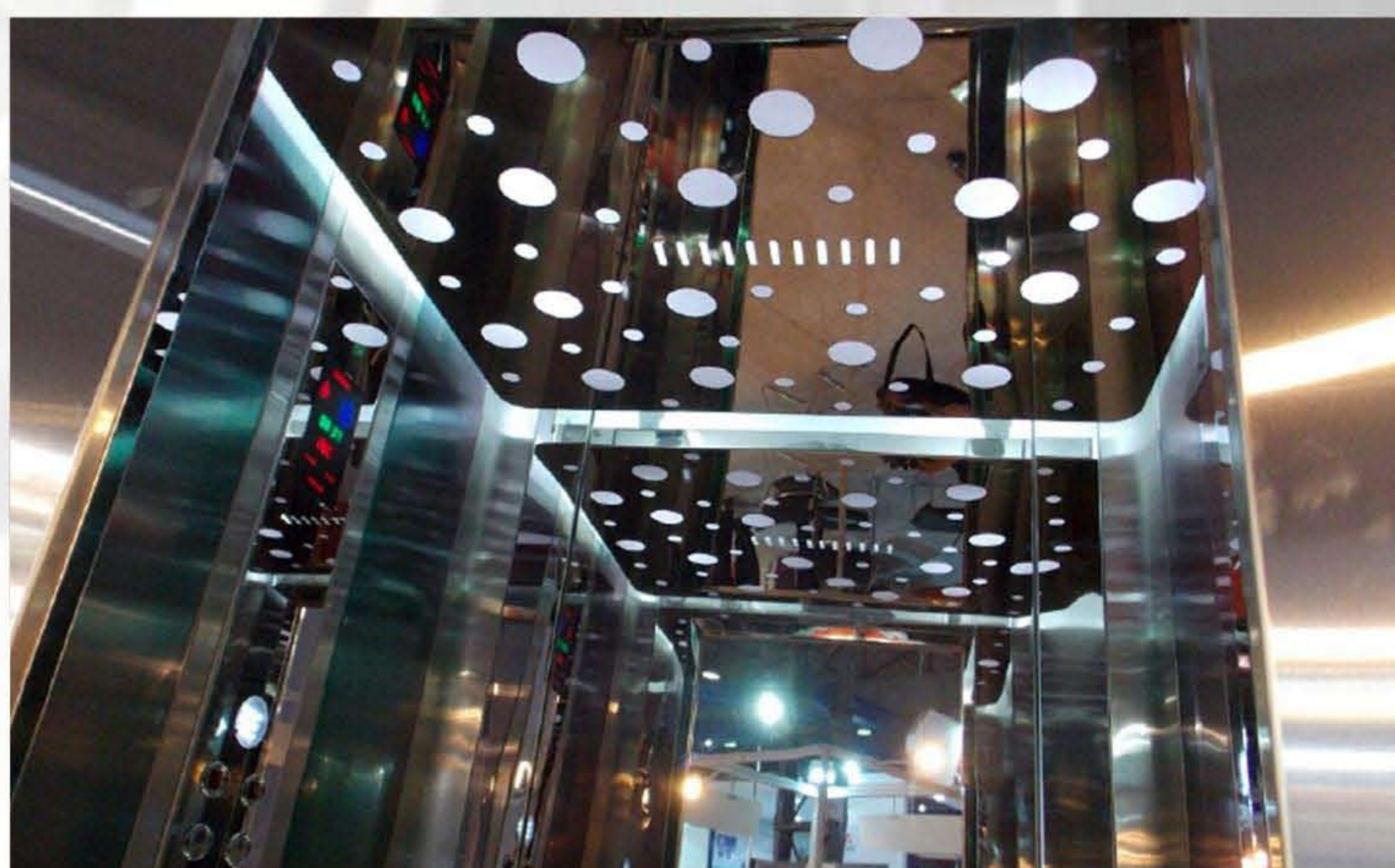
UEPLMS02



UEPLSS01



UEPLSS02



UEPLSS03

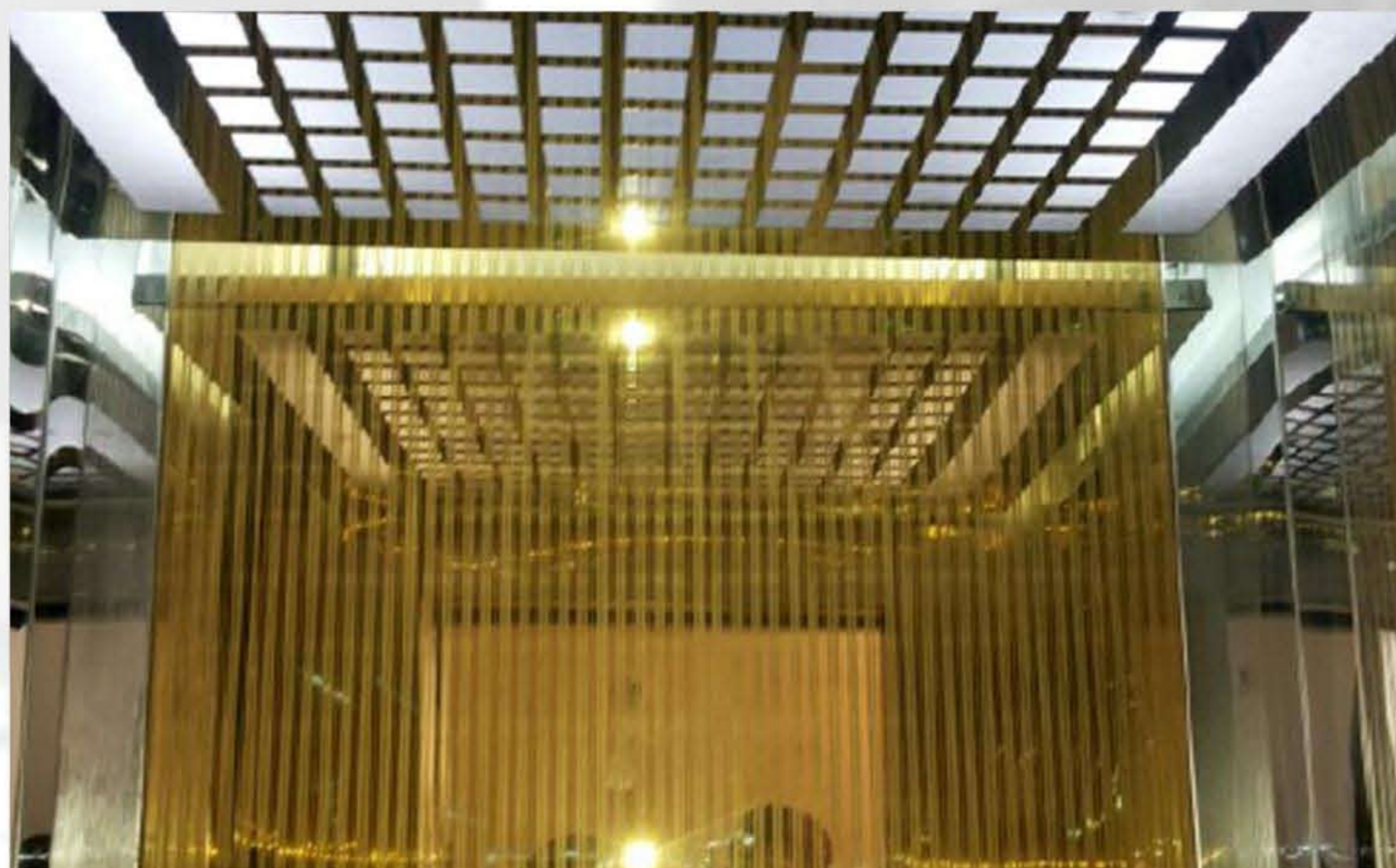


UEPLSS04



United Elevators

CABINS



UEPLSS05



UEPLCAP01



UEPLDW01



UEPLDW02

CEILING



UEPLSCL01



UEPLSCL02



United Elevators

DOORS



UEPLAUTODR01



UEPLAUTODR02



UEPLMSDR01



UEPLMSDR02



UEPLMSDR03



UEPLMSDR04

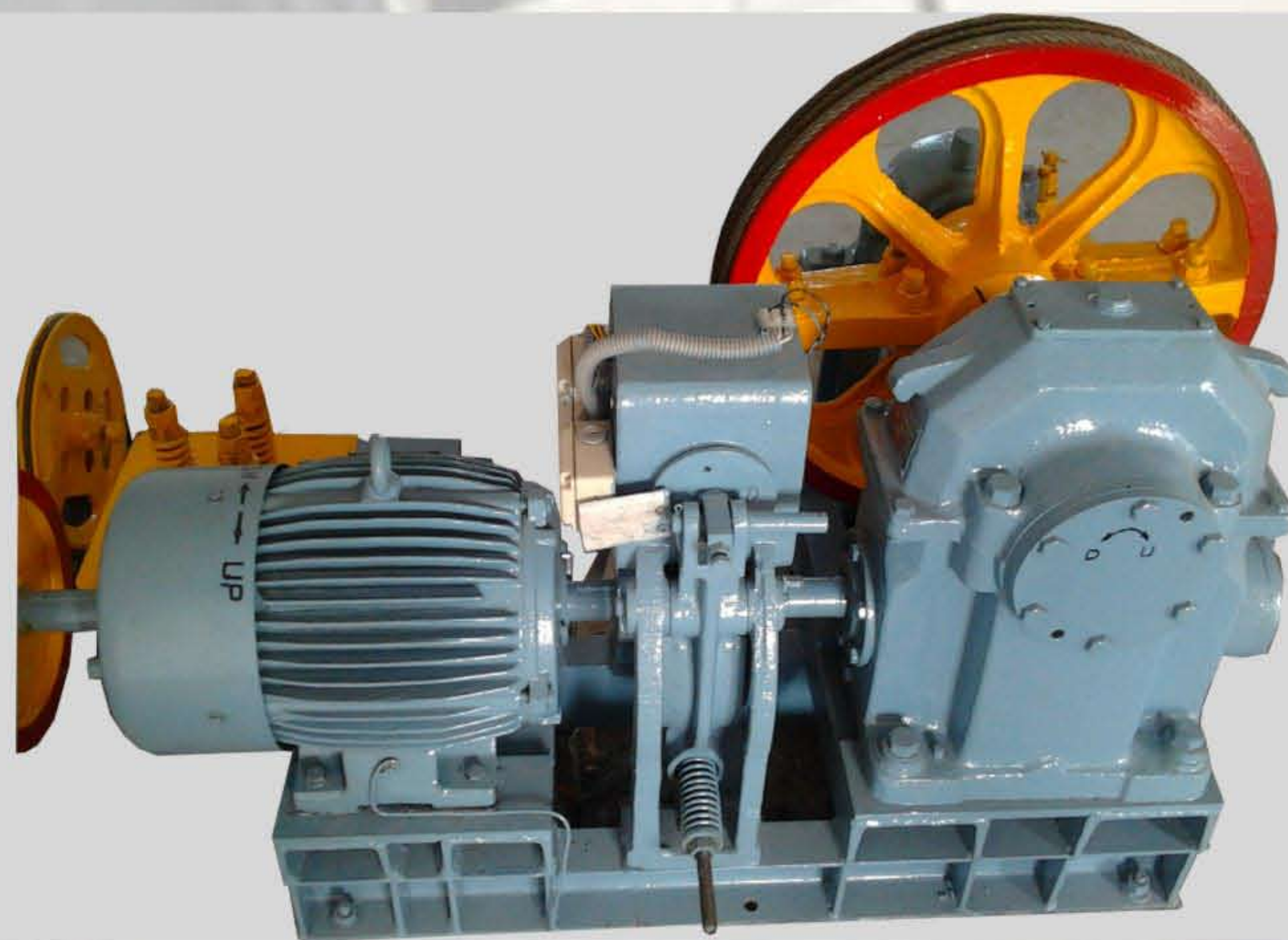


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MACHINES



UEPLMC01



UEPLMC02



UEPLMC03



UEPLMC04

CONTROLLER



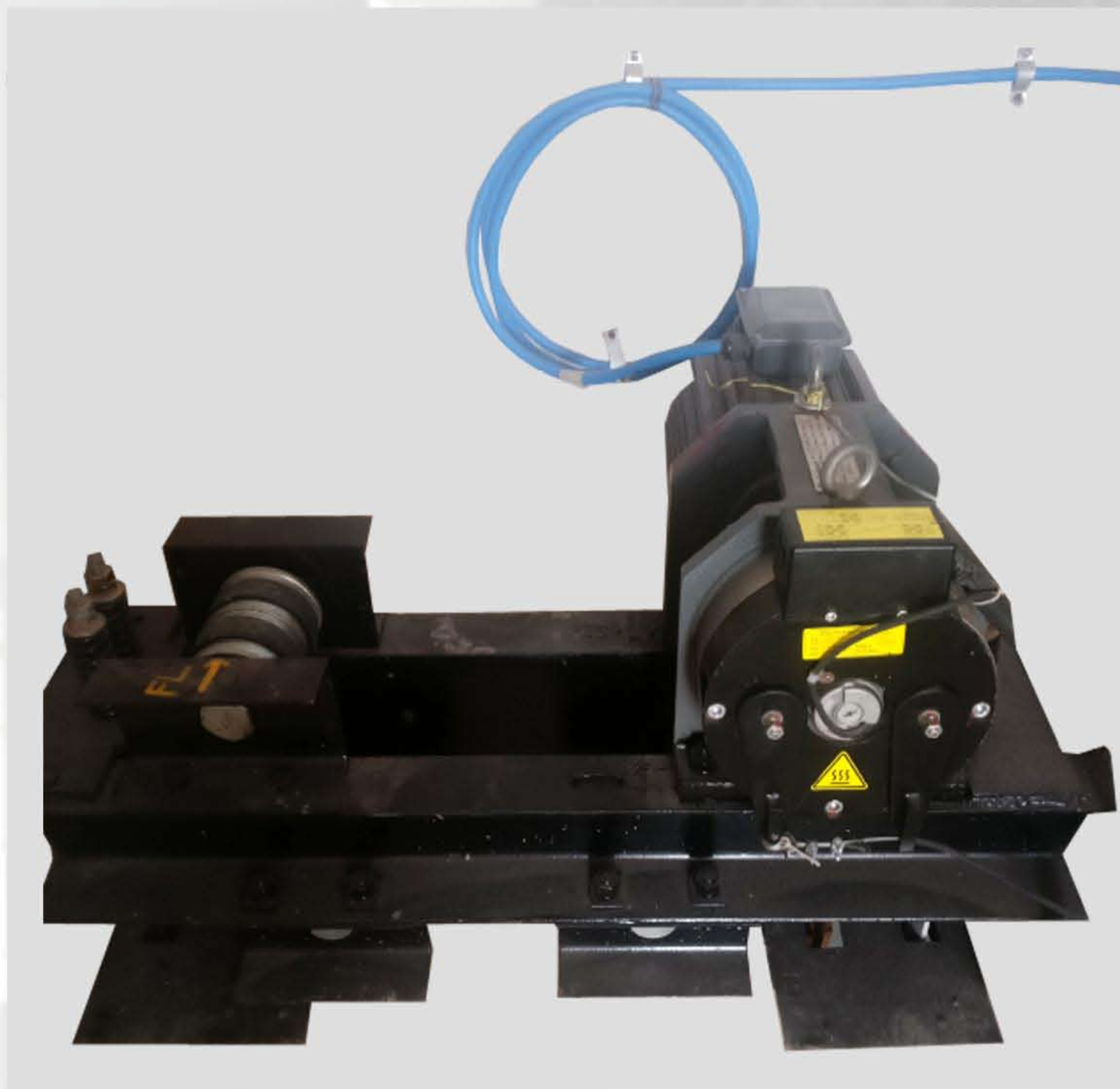
UEPLPLC01



UEPLPLC02



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Belt Machine Installed At Textile College



Gearless Machine 13 Passenger



Geared Machine With High Bed



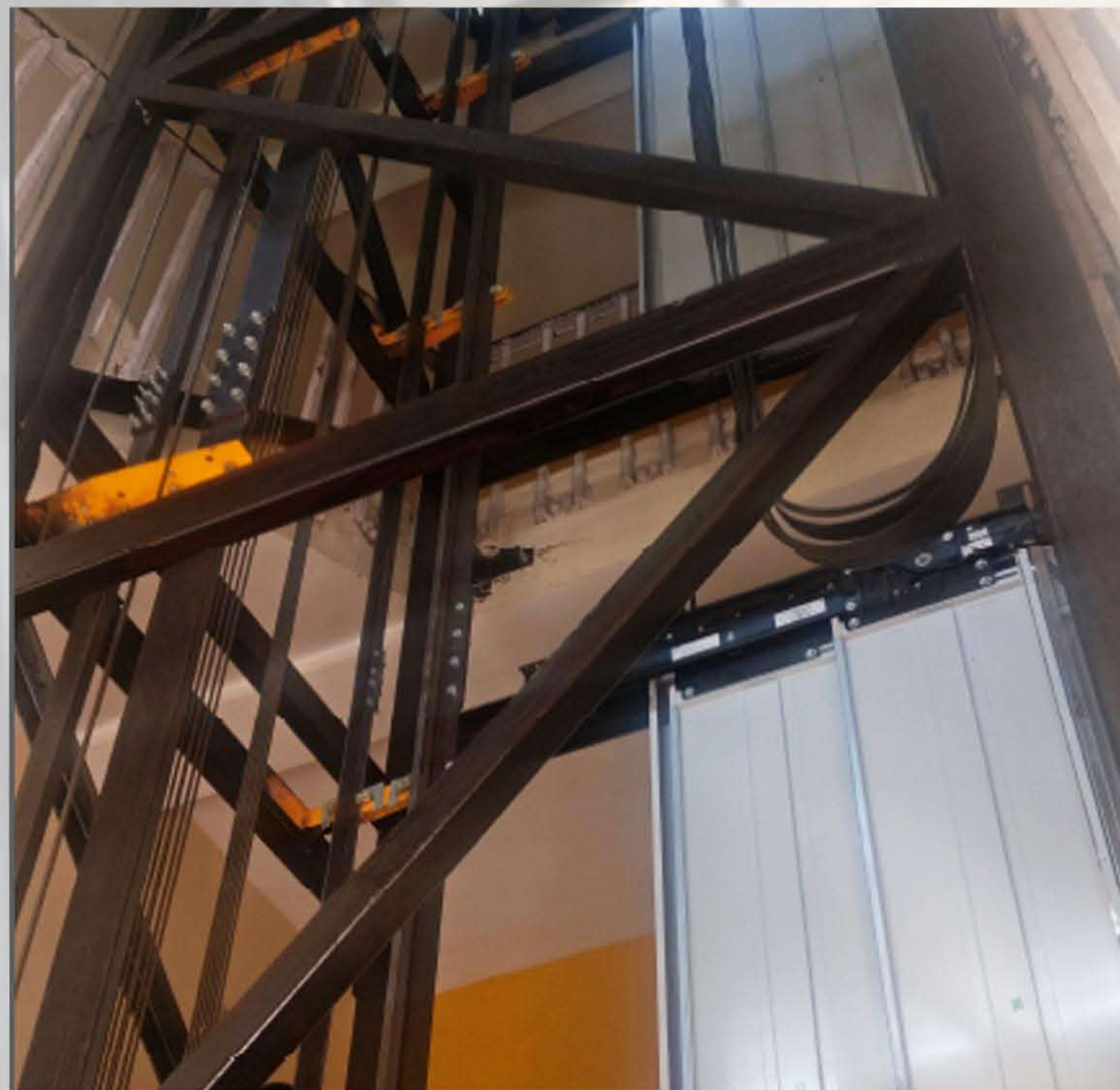
PLC And ARD Panel In Operation



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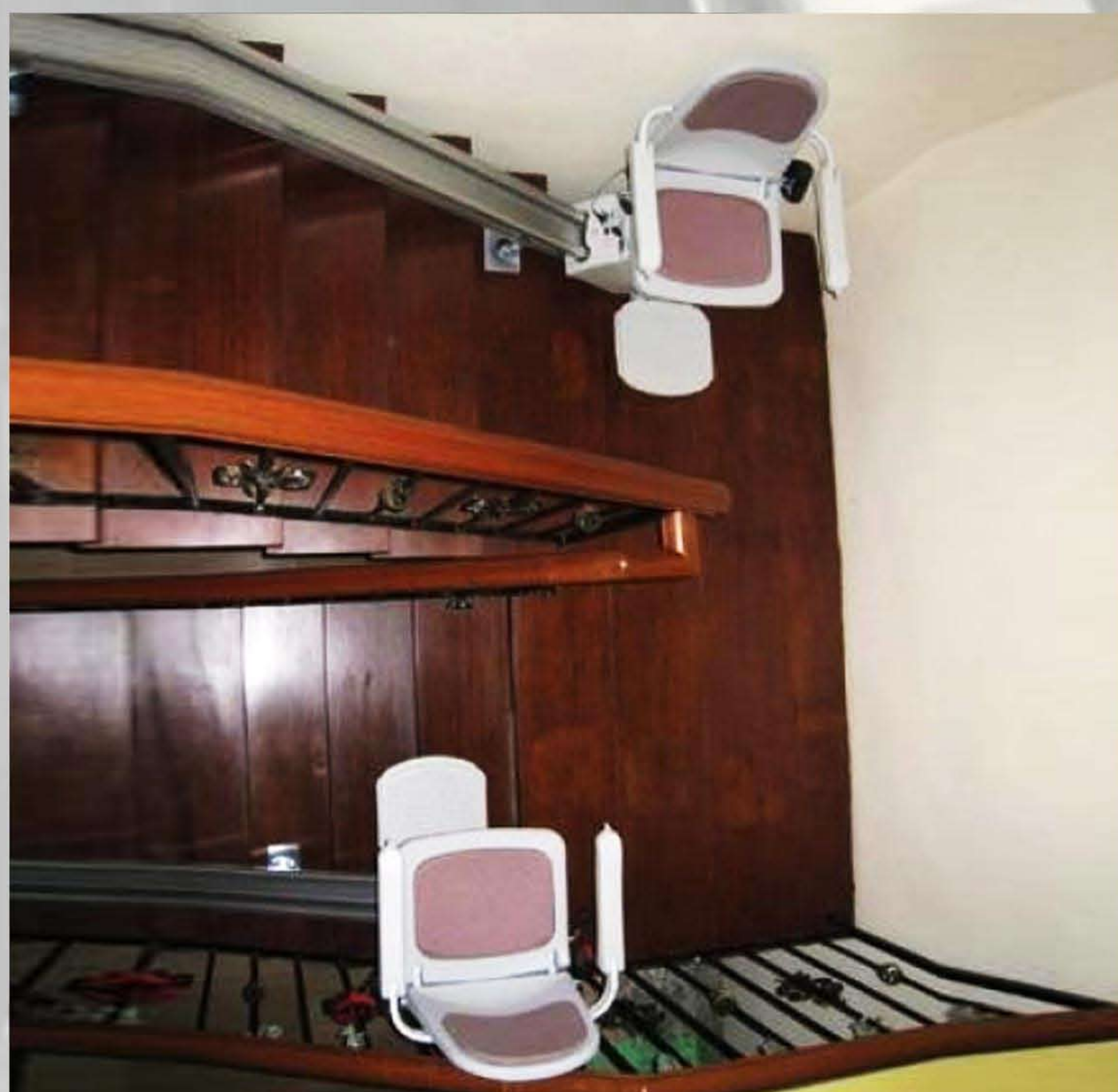
Home Lift Machine



Home Lift Structure



Home Lift Cabin



Chairlift Installation



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UNITED LOP



Panoramic Lift



Production Shop



UNITED Lift Serving Eyecare



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Site Locations



ARO Diagnostic Centre - Tamluk



Dr. Lal's Pathlabs



Young Army Officers Co-operative Society
New Town



Bhagirathi Neotia

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