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TECHNOLOGY IN VERTICAL MOVEMENT



SURYODAYA ELEVATORSTM
AN ISO 9001:2008 CERTIFIED COMPANY



TAKING INDIA TO NEW HEIGHTS

Starting in 2004, “**SURYA Elevator Services**”, and later on, “**SURYA Elevators and Escalators India Pvt.Ltd**”.

Suryodaya Elevators Pvt. Ltd is the leading Manufacturer and Service provider of elevators in India and an ISO 9001:2008 certified Company. For architects and contractors, developers and homeowners, **Suryodaya Elevators** is the leading people mover.

While we manufacture, install, modernize and maintain elevators, and the heart of our business is problem solving. Whether a customer needs a sophisticated elevator system for the building in India or a simple lift for a two-story home, we are dedicated to providing the safest, most reliable solutions possible.

Suryodaya Elevators Pvt. Ltd is committed to increasing customer value through a sharp focus on products innovation and customer satisfaction, with technology developed over the past 11 years, an enduring innovative spirit, and enthusiastic attitude towards providing customer value, **Suryodaya Elevators** Company stands by its product and service lines with confidence.

OUR INNOVATIVE PRODUCTS

- ▶ Passenger Elevators
- ▶ Freight Elevators
- ▶ Hospital Elevators
- ▶ Home Elevators (MRL)
- ▶ Observation Elevators
- ▶ Escalators

GREATER SENSE OF SAFETY



We use Application VVVF Inverter Door Driving to ensure safety and comfort. We understand that most elevators in the market ask for regular maintenance. Often, this becomes a hassle for the customers. **SURYODAYA Elevators**, on the contrary, uses Futuristic Services Features such as GEMIS (Global Elevator Monitoring and Inspection System) to make our elevators maintenance free.

As only a few components of VVVF inverter are exposed to dust or dirt, our elevators offer reliable performance. This also ensures silent operation of the elevators. Our Distributed Intelligence communication network optimizes the performance of the VVVF door system.

At **SURYODAYA Elevators**, we use the advanced Supervisory Monitoring System.

- Noiseless operation & comfortable riding
- Saves power consumption by more than 50% in comparison with conventional type elevators.
- Updated system to monitor all key floor information, equipment functions and system operating parameters.
- One touch input for operation, testing and various simulation commands
- Global Elevators Monitoring and Inspection system to provide remote elevator monitoring functions such as equipment analysis, problem diagnosis and maintenance.
- Full length infrared door curtain to improve safety of people.

Sophisticated Elevator Doors



S.S Mirror Finsh Glass Doors

CUSTOMIZED01

- Jamb** : Stainless Steel Mirror Finish
- Doors** : Stainless Steel Mirror Finish Framed Glass
- Sill** : Extruded Hard Aluminum
- Hall Button** : Touch
- Display** : LCD



S.S Mirror Finish Etching Doors

CUSTOMIZED03

- Jamb** : Stainless Steel Mirror Finish
- Doors** : Stainless Steel Mirror Etching Finish
- Sill** : Extruded Hard Aluminum
- Hall Button** : Touch
- Display** : LCD

Glass Finishing Doors

CUSTOMIZED02

- Jamb** : Wooden Finishing
- Doors** : Glass
- Sill** : Extruded Hard Aluminum
- Hall Button** : Touch
- Display** : LCD



S.S Matt Finishing Doors

CUSTOMIZED04

- Jamb** : S.S Matt Finish
- Doors** : S.S Matt Finish
- Sill** : Extruded Hard Aluminum
- Hall Button** : Touch
- Display** : LCD



Sophisticated Elevator Doors



MS Powder Coated Automatic Doors
CUSTOMIZED05

- Jamb : Painted Steel Sheet
- Doors : Painted Steel Sheet
- Sill : Extruded Hard Aluminum
- Hall Button : Touch
- Display : LCD



MS Powder Coated Swing Doors
CUSTOMIZED07

- Jamb : Painted Steel Sheet
- Doors : Painted Steel Sheet
- Sill : Extruded Hard Aluminum
- Button : Micro Switch
- Display : Digital

MS Powder Coated Telescopic Doors
CUSTOMIZED06

- Jamb : Painted Steel Sheet
- Doors : Painted Steel Sheet
- Sill : Extruded Hard Aluminum
- Hall Button : Micro Switch
- Display : Digital



M.S. COLLAPSIBLE GATES
CUSTOMIZED08

- Jamb : Painted Steel Sheet
- Doors : Painted Steel Sheet
- Sill : Extruded Hard Aluminum
- Hall Button : Micro Switch
- Display : Digital



Sophisticated Elevator Car Designs



S.S Mirror Finish & Etching Designs

CUSTOMIZED-101

- Lighting** : LED
- Ceiling** : S.S Mirror Finish
- Walls** : All Corner Panels S.S Mirror Finish
Center Panels Etching Designs
- Doors** : Etching Designs
- Entrance Columns** : S.S Mirror Finish
- Flooring** : Granite/ Marble (Supplied by Customer)
- Car Operating Panels** : Touch Button, LCD (TFT Multi Colour)



M.s. Painted Steel Sheet

CUSTOMIZED-102

- Lighting** : LED
- Ceiling** : S.S Mirror Finish & Painted Steel Sheet
- Walls** : Painted Steel Sheet (Embossing)
- Doors** : Painted Steel Sheet
- Entrance Columns** : Painted Steel Sheet
- Flooring** : PVC (Anti Skid)
- Car Operating Panels** : 102





Machine-room-less Elevator

The latest in lift technology, modern lifts is now Machine Room Less (MRL). The lift motor is housed within the hoist way and there is no need for a separate motor room. This allows for a more flexible building design and reduces construction cost of the lift shaft.

Machines are now fully synchronous, gearless with inverter control.

Our Machine-room-less elevator, which completely removes machine room on the top of shaft, improves the rate of utilization for building space, reduces the cost of energy consume and construction materials. With the adoption of extremely thin permanent magnet synchronous gearless traction machine, all devices of elevator are disposed compactly and rationally in shaft to make the building appearance more shipshape.

The Machine-room-less elevator adopts the most advanced permanent magnet synchronous gearless traction machine.

S.S Mirror Finish & Etching Designs

CUSTOMIZED 103

Lighting	: LED
Ceiling	: S.S Mirror Finish
Walls	
Rear Side	: Etching Designs
Right / Left Side	: S.S Mirror Finish with Transparent Glass
Doors	: Etching Designs / S.S Mirror Finish Framed Glass
Entrance Columns	: S.S Mirror Finish
Flooring	: Granite/ Marble (Supplied by Customer)
Car Operating Panels	: Touch Button, LCD (TFT Multi Colour)



MS Automatic Doors CUSTOMIZED 09

- Jamb** : S.S Matt Finish
- Doors** : MS Powder Coated (Blue Painted)
- Sill** : Extruded Hard Aluminum
- Hall Button** : Micro Switch
- Display** : Scrolling



MS Automatic Cabin CUSTOMIZED 103

- Corner Panels** : S.S Matt Finish
- All Center Panels:** MS Powder Coated (Blue Painted)
- Sill** : Extruded Hard Aluminum
- Hall Button** : Micro Switch
- Display** : Scrolling





DIVYA SHREE SAKTHI (HYDERABAD)



AAKRUTHI AMITY (BENGALURU)



BIG BAZAAR HOSUR(TAMIL NADU)

- **Selective Collective operation**

The momentary pressing on one or more car buttons shall send the car to the designated landings in the order in which the landings are reached by the car, irrespective of the sequence in which the buttons are pressed. During this operation, the car shall answer calls from the landings which are in the prevailing direction of travel, and each call shall be canceled when answered

- **Attendant operation**

The operation mode of an elevator can be changed from the normal full-automatic operation to the attendant service by an attendant switch, required. The switch is located on the car operating panel with a sliding cover.

- **Service functions**

- **Safety drive**

When a car stops between due to mechanical malfunction, the car descends to the nearest floor below.

- **Automatic door open & close time adjustment**

Door open and close times are automatically adjusted depending on whether the call is a hall call or a car call to increase the operating efficiency.

- **Micro leveling**

An automatic two-way leveling device is provided to maintain the elevator car level with the landing, regardless of elevator load or direction of travel.

- **Automatic car light & fan turn-off**

Car illumination and fan are turned off automatically in case there is no hall or car call, saving energy.

- **Automatic Rescue Device**

• In case of power failure, when the building has no emergency power supply, the elevator is sent to the nearest floor by DC power of battery to prevent passengers being trapped in the car.

- **Emergency fire service operation**

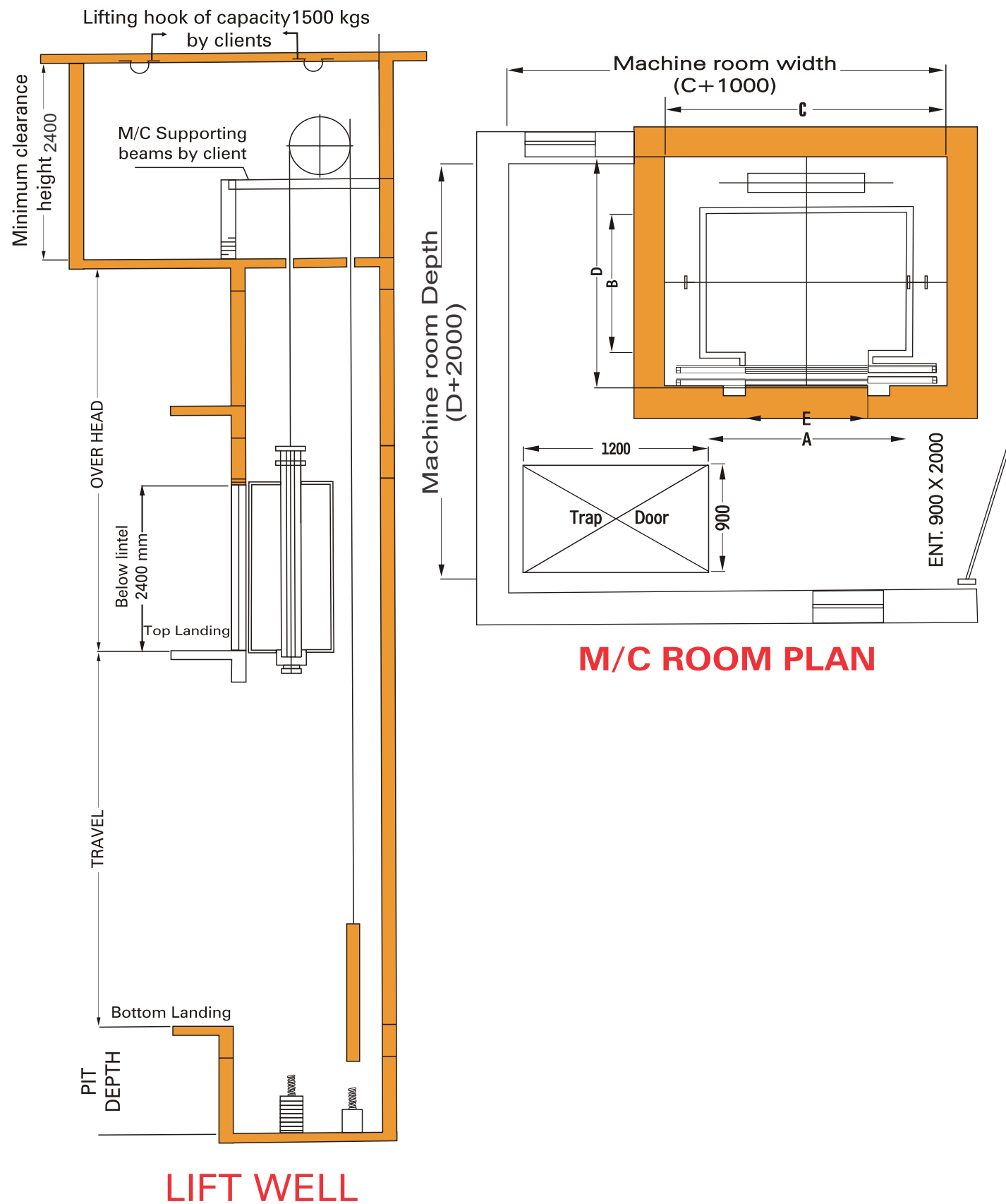
The elevators(S) will automatically return to the lobby or primary egress floor when fire detection devices (Supplied by others) are activated, allowing passengers to exit. The elevator (S) will remain parked at that landing until the detection devices are deactivated or until the elevator is used by a fireman using the special fireman's service switch or key.

- **Voice synthesizer**

This system provides riding passengers with audio information about car operation such as direction of travel, landing floor, etc.

- **VIP operation (Optional)**

The control of a specified call buttons provided specifically for the VIP



Passenger Elevators

Load		Car Inside		Lift Well		Entrance
Persons	Kg	A	B	C	D	E
4	272	1100	700	1900	1300	700(Min)
6	408	1100	1000	1900	1700	700(Min)
8	544	1300	1100	1900	1900	800
10	680	1300	1350	1900	2100	800
13	884	2000	1100	2500	1900	900
16	1088	2000	1300	2500	2100	1000
20	1360	2000	1500	2500	2400	1000

Hospital Elevators

Load		Car Inside		Lift Well		Entrance
Persons	Kg	A	B	C	D	E
15	1020	1000	2400	1800	3000	800
20	1360	1300	2400	2200	3000	1200
26	1768	1600	2400	2400	3000	1200

Goods / Freight Elevators

Load	Car Inside		Lift Well		Entrance
	A	B	C	D	E
1000	1400	1800	2300	2100	1400
1500	1700	2000	2600	2300	1700
2000	1700	2500	2600	2800	1700
2500	2000	2500	2900	2800	2000

Recommended Dimension of Pit, overhead and Machine Room for Passengers Lifts (Dimensions in millimeters)

Speed in m/s	Up 0.70	>0.70<1.00	>1.00<1.25	>1.25<1.50	>1.50<1.75	>1.75<2.00
Pit Depth	1350	1500	1600	2150	2200	2500
Over Head	4200	4250	4800	5200	5400	5400
Machine-Room Depth	D+2000	D+2000	D+2000	D+2500	D+2500	D+2500
Machine-Romm Width	C+1000	C+1000	C+1200	C+1200	C+1500	C+1500