

Technical drawing of a shaft with dimensions and labels:

- Overhead**: Dimensioned as 400.
- traveling**: Dimensioned as 1500.
- Pit depth**: Dimensioned as 500.
- inside shaft, every beam distance 1500**: Dimensioned as 1500.
- shaft lighting distance ≤ 7000** : Dimensioned as ≤ 7000 .
- K**: A label with a downward arrow pointing to the shaft.

Technical drawing of a shaft with dimensions and labels:

- shaft width 1500
- shaft depth 1500
- car width 850
- car rail distance 980
- cwt rail distance 580
- 855
- 675
- 52.5
- 300
- 350
- 452

Technical drawing of a shaft door assembly. The drawing shows a cross-section of the door and its surrounding structure. Key dimensions and labels include:

- shaft depth**: 1500
- door height**: 2200
- door width**: 850
- decoration layer thickness**: ≤ 50
- Non-box LOP reserved**: 150
- hole size**: $\phi 40$
- other floor**: 450
- first floor**: 600
- Top floor wall mounted control box size**: 600*1100*300
- 1000**: Dimension for the lower part of the door frame.

Technical drawing of a car body layout showing dimensions and components. The drawing includes the following dimensions and labels:

- Overall width: 855
- Overall height: 1500
- Car width: 850
- Car rail distance: 980
- Door width: 650
- Reserved width: 850
- Shaft width: 1500
- Shaft depth: 1500
- Cwt rail distance: 580
- Car depth: 1200
- Door reserved width: 320
- Door reserved width: 330
- Door reserved width: 85
- Door reserved width: 30
- Door reserved width: 100
- Door reserved width: 452
- Door reserved width: 645
- Door reserved width: 675
- Door reserved width: 525
- Door reserved width: 300

The diagram illustrates the layout of a rail buffer system. It features a central rectangular area with a width of 1500 and a depth of 1500. The distance between the car rails is 980, and the distance between the cwt rails is 580. The buffer is positioned at the top right, with a width of 855 and a depth of 675. The buffer is connected to the car rails via a buffer (R1) and to the cwt rails via a buffer (R2). The car rails are connected to the cwt rails via a buffer (R3). The buffer is also connected to the cwt rails via a buffer (R4). The buffer is labeled as BUFFER.

Name	MRL home elevator
Speed(m/s)	0.4
Capacity(kg)	320
Speed adjust	VVVF
Control mode	selected control
Ratio	2 : 1
Door opening	Center
Door size	650X2100
Car size	850X1200X2200
Traveling	
Power supply	380V AC 50Hz 3P
Lighting	380V AC
power(kw)	1.1

1. Elevator civil construction should meet the work environment requirements as follows: a, the room air temperature should be maintained at between 5 ~ 40 °C; Relative humidity less than 85%; b, no risk of explosion, not enough to corrode metal and damage the insulation gas and conductive dust; c, power supply voltage fluctuation should be within the range of $\pm 7\%$.
2. hoistway wall compressive strength is not less than 24MPa, the hoistway structure is as follows: a, when the hoistway is concrete structure, may not to set embedded steel; b, when the hoistway is brick structure, according to the requirements lay embedded parts or set the ring beam according to embedded parts, if the shaft is sintered hollow brick, can also choose to use C25 concrete filling solid wall.
3. The shaft wall should be vertical, shaft horizontal size is plumb line measurement of the minimum clearance dimensions, tolerances shall meet the following requirements: a, When the elevator trip a height less than or equal to 30m, it is 0 ~ +25mm; b, When the elevator stroke height greater than 30m less than or equal to 60m, it is 0 ~ +35mm; c, when the elevator stroke height greater than 60m less than or equal to 90m, it is 0 ~ +50mm; d, when the elevator stroke height is greater than 90m, civil tolerance should be consistent layout requirements.
4. The shaft should be dedicated elevator, the elevator can not be installed with the device-independent (such as pipes, cables, etc.). Hoistway should effectively prevent the body from entering.
5. Machine room wire rope and floor holes on each side of the gap should be 20 ~ 40mm, should be built a step with the height over 50mm, the width appropriate level.
6. In the machine room, when there are two or more working platforms in different planes, and the adjacent platform height difference is greater than 0.5m, stairs or steps should be set, and shall set the security fence with the height not less than 0.9m;
7. In machine room floor any pits or any tank which depth is more than 0.5m, width is more than 0.5m, shall be covered.
8. stairs and into the room of the channel width is not less than 1200mm, the slope is not greater than 45°, the room doors open outwards.
9. Users take the power supply, lighting power to the side door of the engine room, into the power box, and set air leakage protection switch.
10. The user provides a grounding resistance of less than 4Ω grounding devices.
11. The room should be set up permanent lighting, illumination of the floor surface should be not less than 200Lux.
12. hoistway pit should be waterproof and can bear the capacity of the drawings prescribed.
13. The minimum floor space is 2.9m, when each landing distance greater than 11m should provide hoistway security doors by users.

Buyer		Civil construction figure
	Qty	Design Drawing
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Sign	date	Schumacher elevator Co.,Ltd.