

## Notes:

- 1.The shafts are made of concrete, brick, concrete-brick, and steel frame structures. The compressive strength of the shaft walls shall not be less than 24 MPa. Embedded parts shall be embedded in accordance with the requirements of the drawing;
- 2.The walls of the elevator shaft shall be vertical, and the allowable deviation is 0~+50 mm;
- 3.The shaft shall be intended only for the elevator and elevator equipment. Equipment not related to the elevator (such as pipelines, cables that do not belong to the elevator, etc.) shall not be installed;
- 4.The maximum average monthly relative humidity in the wettest month at the elevator operation site is 90%. At the same time, the average monthly minimum temperature of the month shall not be higher than 25°C;
- 5.The client shall provide a power supply and lighting source to the lower opening of the control station. The reserved length shall not be less than 1.5 m, which will be used during the installation of the elevator;
- 6.The client shall provide an earthing device busbar with an earthing resistance value of less than 4 Ω (ohms) in the hoistway and the machine room;
- 7.Waterproofing shall be carried out in the hoistway. To prevent the penetration of groundwater, it shall be waterproof. Reinforcement shall be reserved for it, and before the installation of the elevator, the seating positions for the elevator buffer shall be prepared as specified on page 3 of the drawing with the defined loads;
- 8.The minimum distance between floors is 2.55 m. When the distance between adjacent floors is more than 11 m, safe shaft doors for evacuation in case of an emergency shall be installed. In this case, an additional ladder for movement within the shaft shall also be provided;
- 9.Elevator shafts shall not be installed above the space accessible to people. In such a case, an additional counterweight catcher shall be used;
- 10.The width of the door opening in the drawing refers to the size when the wall thickness is less than 250 mm. When the wall thickness is more than 250 mm, this shall be specified in the elevator order technical specifications.

Note: Please do not use a scale ruler to calculate the size of the drawing.

★ During the installation, please use the drawings provided in the installation materials as the drawings for the correct installation of the elevator.

Purpose of the building		Residential complex/Parking lot/Hospital, and so on. This is an example.
block/section		1
Elevator No.		L1
Number of elevators		1
Type of elevator		Cargo-passenger
Speed (m/s)		1.5
Load capacity (kg)		1000
Number of passengers		13
Number of floors/stops/doors		0/0/0
Doors (width x height)		900×2100
Type of door opening		telescopic/central
Dimensions of the cabin, mm. (width x depth x height)		1600×1500×2300
Through cabin		Yes/No
Hoistway:		Reinforced concrete / Brick / Metal structure
Location of the MP		With machine room / Without machine room.
Dimensions of the hoistway (mm) (width x depth)		2500×1700
Structural opening of the hoistway doors (mm) (width x height)		1400×2200
Depth of the notch (mm)		1500
Lifting height		
Height from the last stop to the lift shaft ceiling (mm)		4800
Total height of the shaft (mm)		
Floor markings		+0,000, this is an example
Fire resistance		E30 / Ei60
fire elevator, hatch 500×700 mm , staircase		Yes / No
Magnitude 9 seismic sensor		Yes / No
Voltage		3-phase 5-wire 380VAC±7%
Voltage frequency		50Hz
The client agrees to construct according to these drawings		
Client	Architect	Contractor
Client		
Contract number	NO.	
Assignment for the design of the construction part of the elevator shaft	Designed by	
	Checked by	
	Approved by	
	Date	
FUJI space Elevator Technology by A.R.E.		Page No. 1 of 3

Technical drawing of a shaft cross-section, showing dimensions and components. The drawing is oriented with X and Y axes.

**Dimensions:**

- Depth of the shaft: 2100
- Width of the shaft: 2150
- Overall width: 1175
- Overall depth: 975
- Internal width: 1015
- Internal depth: 998
- Internal width (right side): 800
- Internal depth (right side): 350
- Internal width (bottom right): 500
- Internal depth (bottom right): 320
- Internal width (bottom right): 320
- Internal depth (bottom right): 200
- Internal width (bottom right): 200
- Internal depth (bottom right): 200
- Internal width (bottom right): 200
- Internal depth (bottom right): 200

**Components and Labels:**

- Lighting of the shaft
- Speed limiter
- hook
- N1
- N2
- Direction A

Technical drawing of a lift shaft ceiling slab showing dimensions and hook positions. The drawing includes the following dimensions and labels:

- Width of the shaft:** 2150
- Depth of the shaft:** 2100
- Horizontal dimensions:** 975, 1175, 320
- Vertical dimensions:** 998, 800, 350
- Position of the hook in the ceiling slab of the lift shaft:** Indicated by arrows pointing to specific locations on the slab.

Figure 1 is a plan view of the shaft layout. It shows a rectangular shaft with a total width of 2150 and a total depth of 2100. A central 'free area' is 500x500. A 'buffer' zone is defined by a dashed line connecting points N3 and N4. Dimensions include 975, 1175, 1015, 200, and 998.

Technical drawing of a cabin layout showing dimensions for depth and width.

**Depth dimensions (left side):**

- Depth of the shaft: 2100
- Outer depth of the cabin: 1785
- Net depth of the cabin: 1600
- 883
- 100
- 100
- 30
- 85

**Width dimensions (bottom side):**

- Width of the shaft: 2150
- Outer width of the cabin: 1550
- Net width of the cabin: 1500
- Width of the opening: 1060
- Net width of the door: 900
- Central opening
- 445
- 645
- 400
- 200

**Internal dimensions and labels:**

- Cab's standard dimensions: 1620
- 1070
- 160
- 200

**Other labels:**

- The distance between the counterweight guide rails: 1170

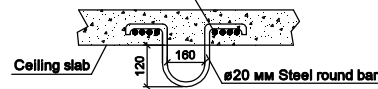
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<b>Client</b>	<b>Architect</b>	<b>Contractor</b>
<b>Client</b>		
<b>Contract number</b>	<b>NO.</b>	
<b>Assignment for the design of the construction part of the elevator shaft</b>	<b>Designed by</b>	
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	<b>Date</b>	

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Schematic diagram of the hook

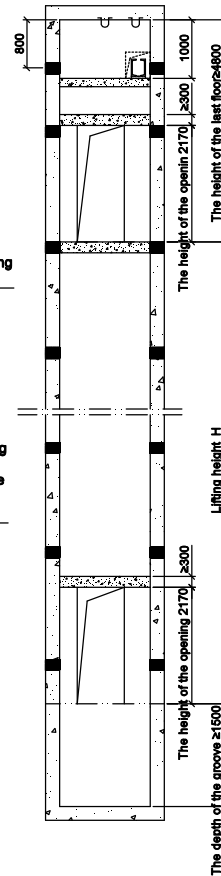
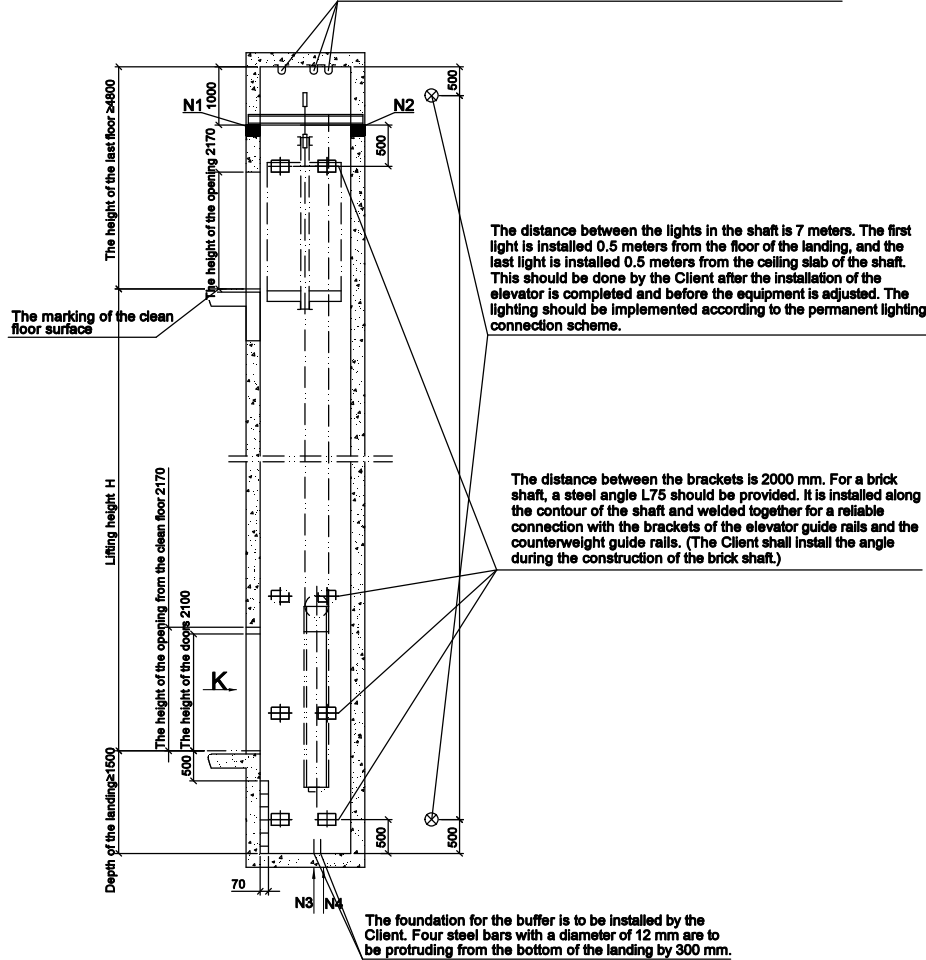
Solid welding with more than four main stiffness ribs



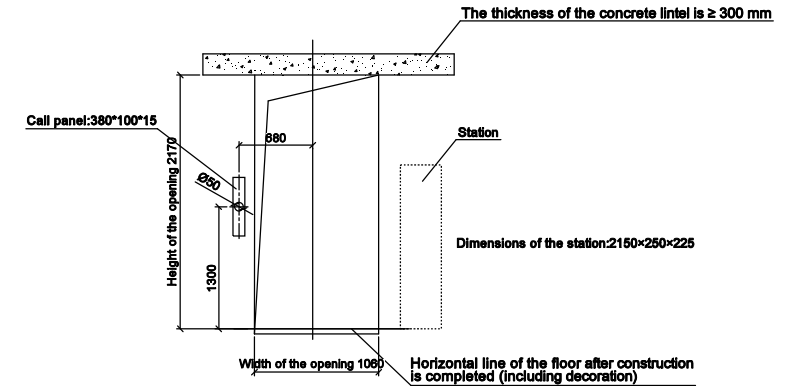
Section plan of the shaft (Y - Y)

Shaft cross - section plan (X - X)

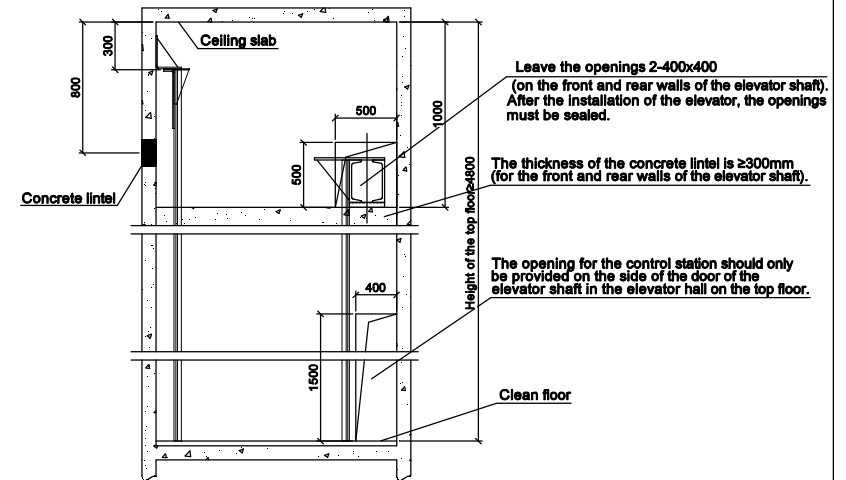
The hooks shall be provided by the Client. Before the installation of the elevator, the hooks should be ready. The hooks can withstand a load of 2000 kg. (These hooks must be tested and marked with a nameplate.)



Doors and the opening



Direction A



The client agrees to construct according to these drawings

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Client		
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Remark: Please do not use a scale ruler to calculate the size of the drawing.

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Point of application of support force (Newton)			
N1	N2	N3	N4
40000	38000	101000	81000