

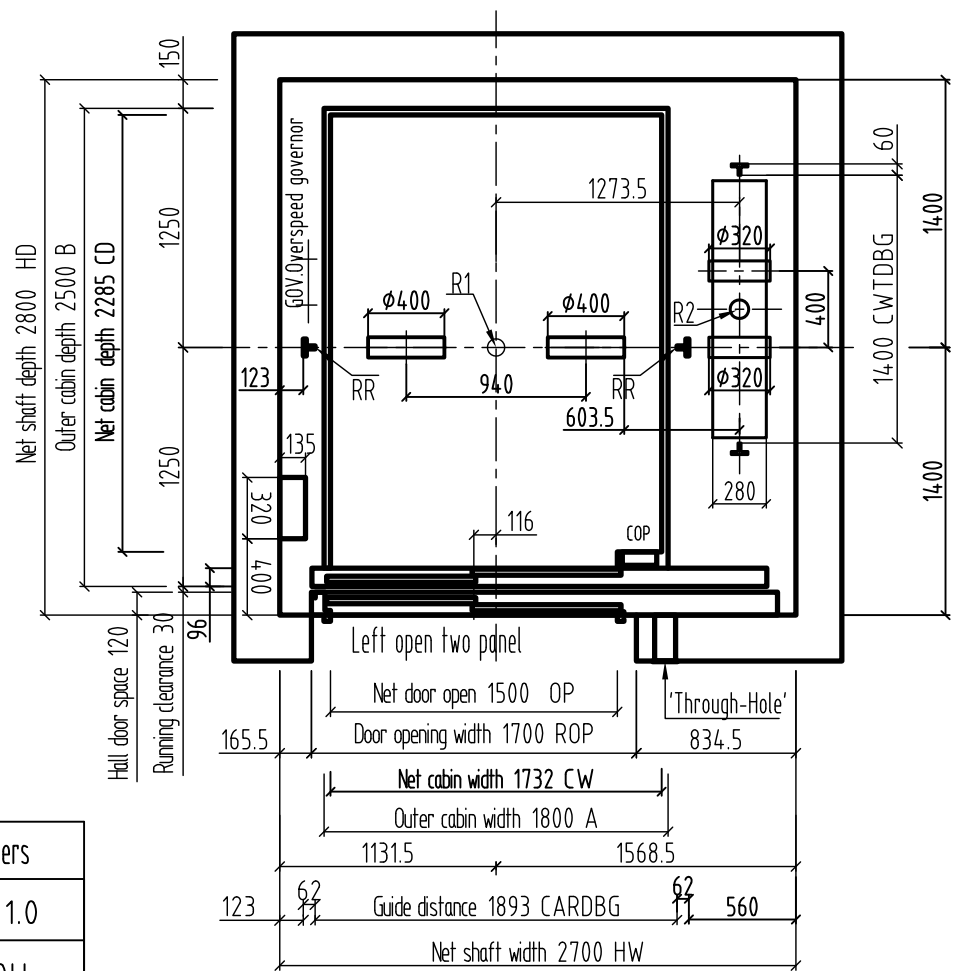
Vertical profile of shaft

Traction machine related parameters		
Rated speed (m/s)	0.5	1.0
Product type of traction machine	GEMT3.0H	
Traction machine power (KW)	6.5	12.9
Rated current (A)	14.5	29
Start-up current (A)	29	58

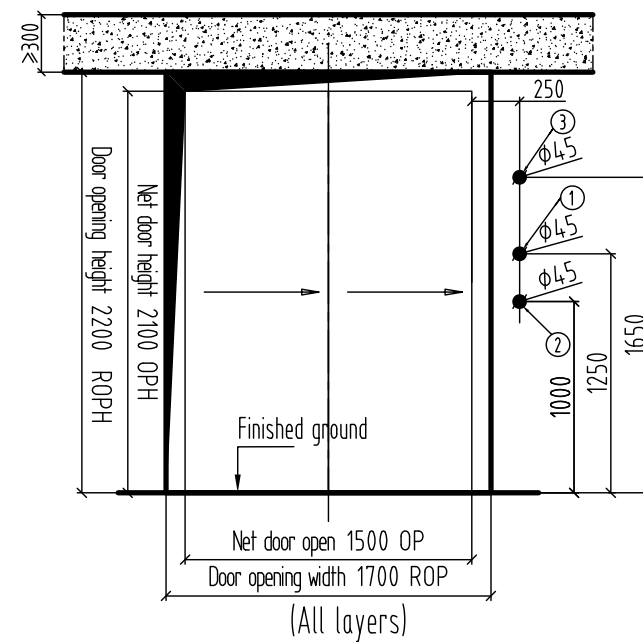
Total height of shaft			
Travelling height			
Overhead(oh)			
PIT			
Service floor	Floor distance	Front door	Rear door
S:Stop NS: Nonstop E: Home landing			

- 1: Button and display
  - 2:Elevator switch, only the home landing can set, other layers cannot
  - 3:Fire switch(if equipped with fireman service function) , only the home landing can set, other layers cannot
- (It is recommended that Party A use a PVC pipe with an inner diameter of  $\phi 45$ mm to reserve a calling wiring through-hole.)

Hall door diagram



Plane figure of shaft



Force of guide rail:	$F_x =$
	$F_y =$

Technical parameters	
Elevator model	CL200 SE
Load	2000kg
Speed	0.5,1.0 m/s
Rope speed ratio	4:1
Control mode	Microcomputer
Opening mode	Center open
Minimum floor distance(mm)	OPH+650
Power supply	380V TN-S 50HZ
Light and signal power supply	220V 50HZ

The following should be filled out carefully by the user

Shaft structure	Fixed mode of rail brackets ( user check )	
Brick wall	<input type="checkbox"/>	Pre-embedded slab <input type="checkbox"/> Foreseen hole <input type="checkbox"/>
Cement concrete	<input type="checkbox"/>	Expansion bolt <input type="checkbox"/> Pre-embedded slab <input type="checkbox"/>
Brick wall+ perimeter beam	<input type="checkbox"/>	Expansion bolt <input type="checkbox"/> Foreseen hole <input type="checkbox"/>
Steel-shaft structure	<input type="checkbox"/>	Welding bracket <input type="checkbox"/>

Drawing confirmation:the user unit fully agrees to manufacture according to the specifications of this drawing

Confirm: \_\_\_\_\_  
Date: \_\_\_\_\_

Change at:

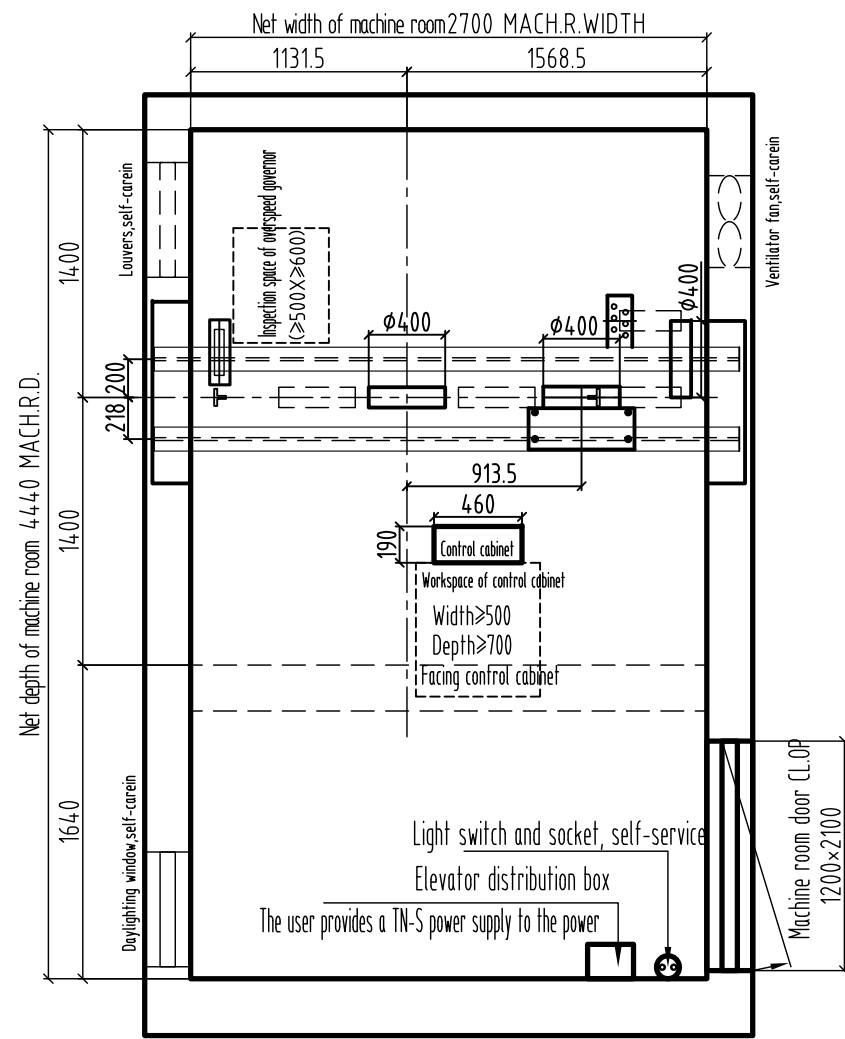
Name	Date	Change situation

Project name:

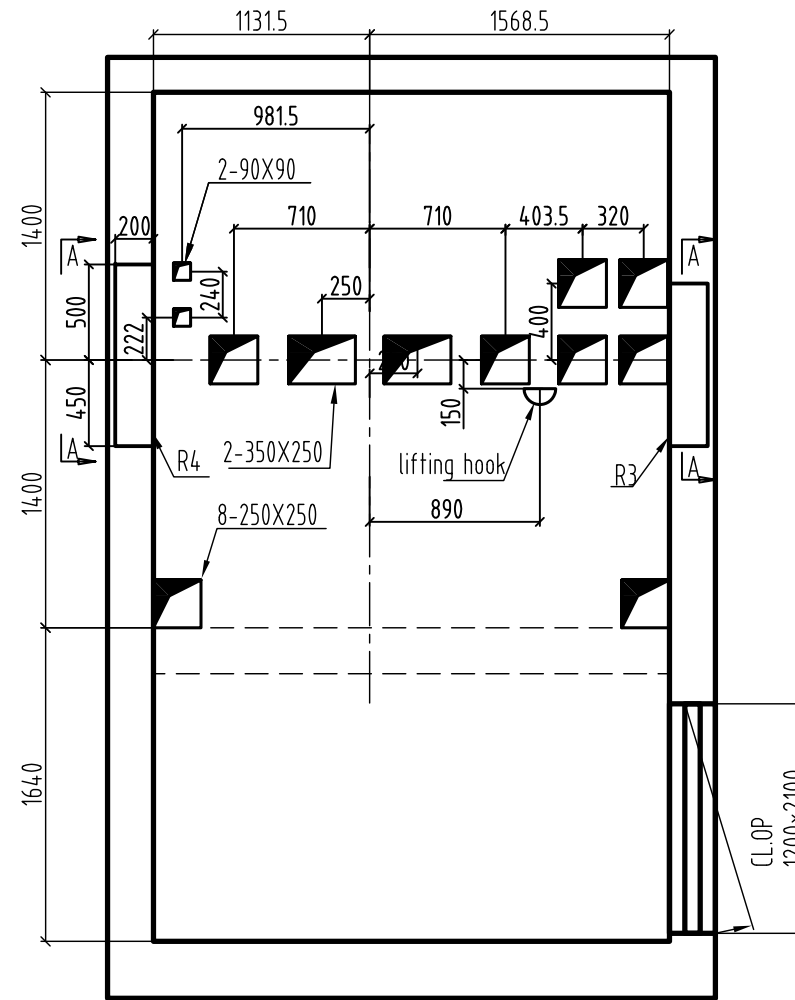
Contract No:

Civil engineering No:

Drawing:	
Verification:	
Confirm:	
Date:	

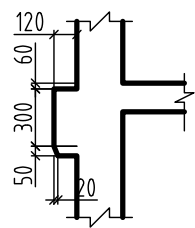


Plane figure of machine room

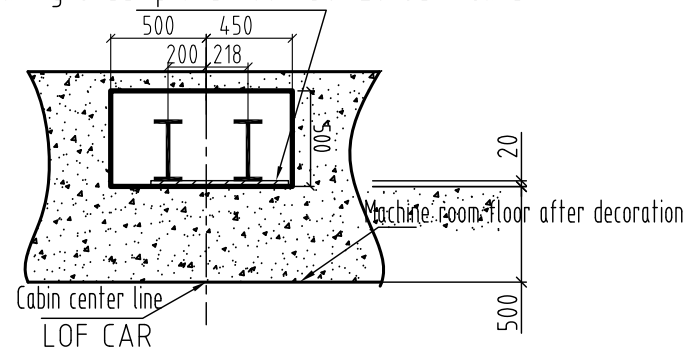


Foreseen hole diagram of machine room

Bearing steel plate 900X150X20 self-carein

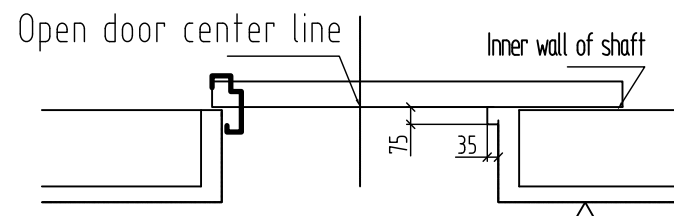


Detail drawing of corbel



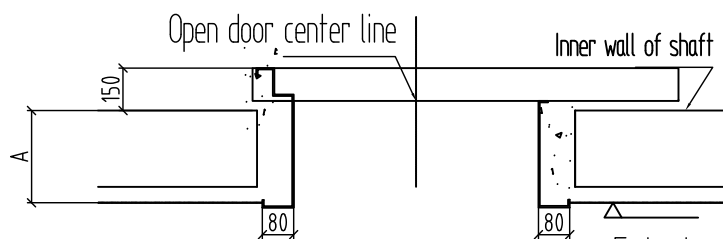
A-Bearing hole

Reaction forces(KN)	
R1=	188
R2=	148
R3=	126
R4=	126
RR=	75.5



Exterior wall facing (self-carein)

Schematic diagram of narrow door jamb



A=Thickness of shaft wall + thickness of decorative layer (The user provides)

Schematic diagram of wide door jamb

(The parameter table for the wide door jamb needs to be filled out during production.)

### Technical requirements of elevator civil engineering

- All buildings in the shaft must meet the requirements of fire prevention, and shall not be installed with unrelated elevator equipment, power supply, and unrelated holes.
- The shaft must be vertical, which horizontal measurement is the minimum net size, and vertical error is  $0 \sim +25\text{mm}/0 \sim 30\text{m}$ ,  $0 \sim +30\text{mm}/30\text{m} \sim 60\text{m}$ ,  $0 \sim +50\text{mm}/60\text{m}$  and above.
- If there is a space below the bottom of the pit that can be accessed by person, the counterweight buffer can be installed on a pier which is continuously extending to solid pier, or ask the elevator manufacturer how to install the counterweight safety gear.
- Before the installation of the elevator, all landing door openings must be equipped with a safety protection fence enclosure which height is more than 1.2 meters, and it should be ensured that can bear the shown forces.
- The enclosed shafts should be equipped with ventilation holes if needed (generally at the top and bottom of the shaft), which area is not less than 1% of the horizontal area of the shaft. Protective nets should be installed on the ventilation holes.
- The reserved holes for elevator hall door, call display and others need to be backfilled and decorated after elevator installation.
- It is preferable for the elevator shaft to be made of concrete structure. If the shaft is a frame structure, the guide rail bracket should install a 300mm high concrete collar, and the upper and lower edges of hall door hole on each floor should be installed a 300mm high concrete beam with the same width as the shaft. If the shaft is a solid bearing brick wall structures, and the upper and lower edges of hall door hole on each floor should be installed a 300mm high concrete beam with the same width as the shaft.
- When the distance between two adjacent hall door sill is over 11 meters, it should be set a safety door that is more than 350mm wide and 1800mm high, which can't opens inward to the shaft. The safety door should be equipped with lock can open with a key, it can be closed and locked without a key when the door is opened, and even if locked, it should be able to be opened from the inside of the shaft without a key.
- The inner of pit should be waterproof. If there is a water pit, it should be set in the corner.
- According to the requirements of technical parameters sheets, the power supply should be set in machine room and equipped with a locked protection switch. The range of power supply fluctuations should be less than  $\pm 7\%$ . The Neutral wire and Earth line of the power supply must be separated, and the ground resistance must be less than 4Ω.
- All loads indicated in the drawing include impact corrections, unless specified. And the strength of the shaft wall and pit must be ensured that can bear the shown forces.
- The self-carein marked in the diagram (Pre-embedded steel slab, etc.) need to be preset.
- The temperature in the machine room should be maintained at  $5 \sim 40^\circ\text{C}$ , the machine room should be flat and must be able to withstand not less than 7.0kN per square meter that can bear the shown forces.
- User should set up a rescue duty room which pave a communication cable to machine room. When the cable run distance less than 500 meters need to pave a six core twisted shielded wire (3X2X0.75mm<sup>2</sup>), when it bigger than 500 meters need to pave a cat 5 cable. The standard value of the floor is uniformly distributed load.

### User announcements

- Technical requirements of elevator civil engineering is the most part of civil engineering arrangement should be rigorously followed. Anything not covered in this drawing is executed according to relevant clause of the national elevator standard GB7588-2003.
- If civil engineering works are not carried out in accordance with this Clause, the user are responsible to revamp, from this the resulting consequence from the user.
- If the size of shaft need to revamp, please inform us in written form timely and get our recognition before make changes.

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Confirm: \_\_\_\_\_

Date: \_\_\_\_\_

### Change at:

Name	Date	Change situation

Project name:

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