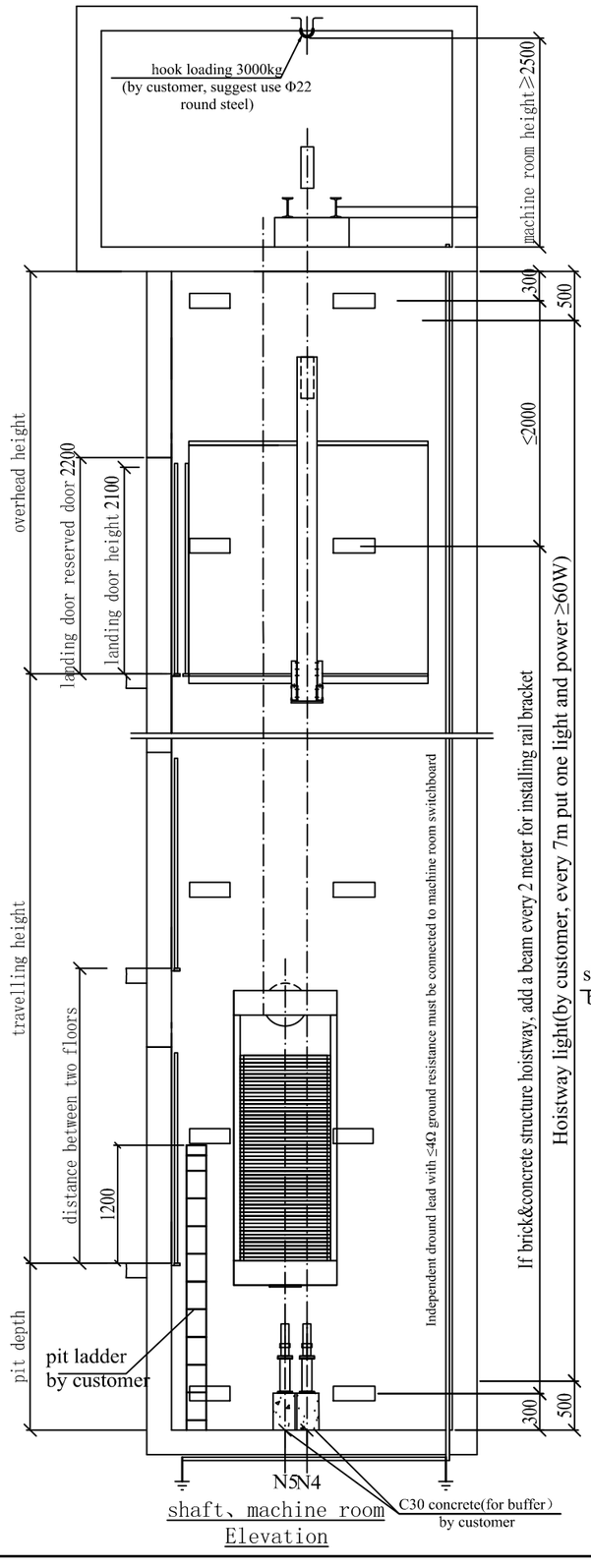
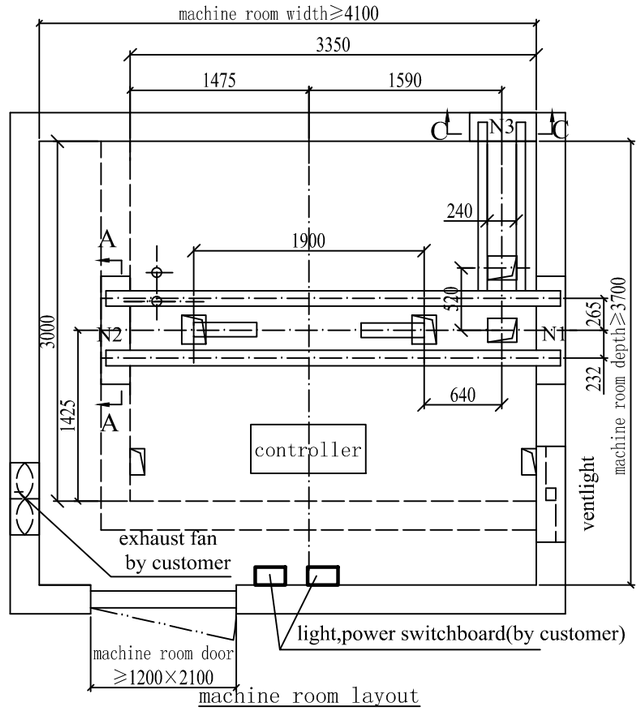
contract	
No.	

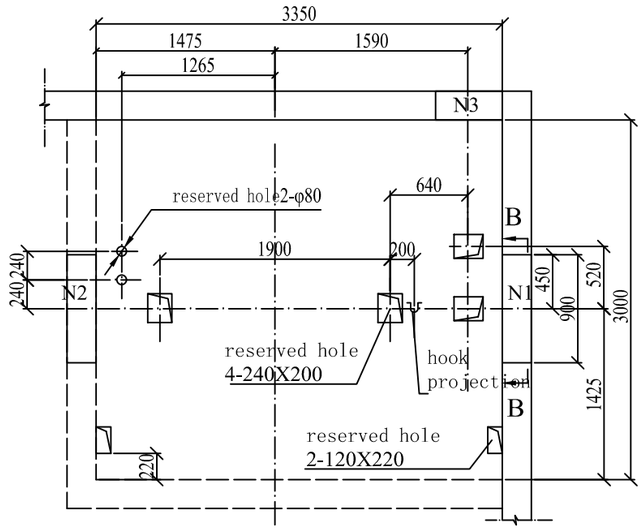
We agree to produce according to this drawing		
Reviewer	Principal	Company
Project		
Company		



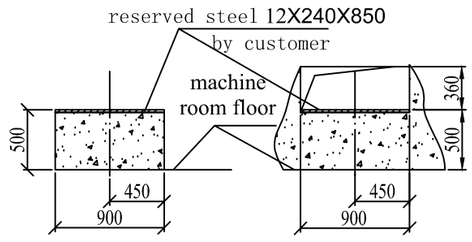
shaft、machine room Elevation



machine room layout

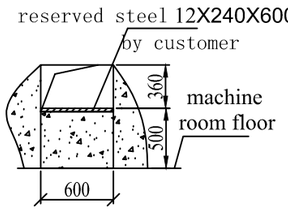


machine room hole view

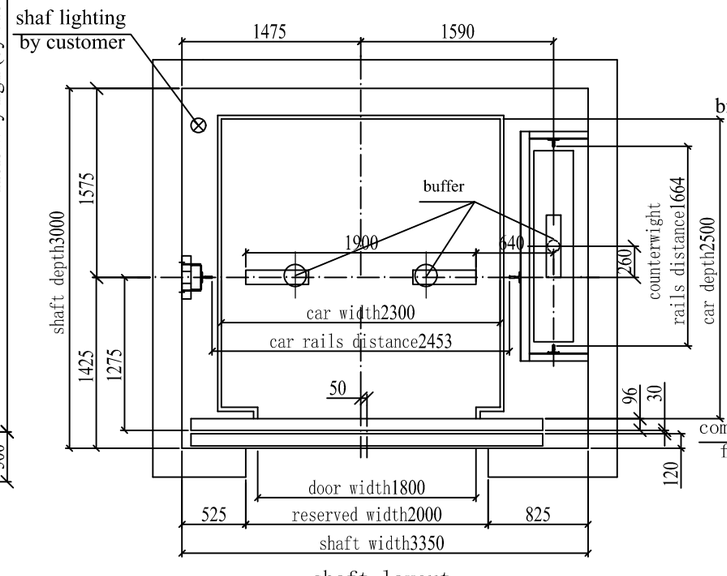


A--A section (C30concrete、by customer)

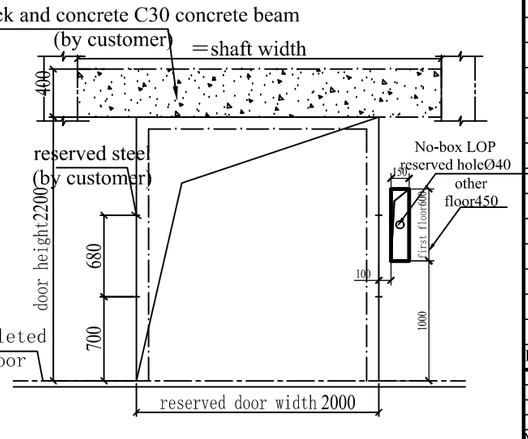
B--B section



C--C section (C30concrete、by customer)



shaft layout



landing door hole view

specifications		
model	THJ3000/0.5	
capacity (kg)	3000	
speed (m/s)	0.5	
speed adjust mode	VVVF	
door opening	center two panels	
traction pulley(mm)	φ640	
car top pulley(mm)	φ520	
counterweight pulley(mm)	φ520	
power(kw)	18.5	
current(A)	40.0	
car(mm)	2300(W)X2500(D)	
car height(mm)	2200	
landing door(mm)	1800X2100	
min floor space(mm)	2850	
stop(floor)	8	
travel height(m)	30	
overhead height(mm)	≥4500	
pit depth(mm)	≥1500	
power	voltage (V)	380
power	frequent (Hz)	50
power	capacity(kVA)	22.5
support (N)	beam N1	145000
support (N)	beam N2	87000
support (N)	beam N3	39000
support (N)	car N4	135000
support (N)	counterweight N5	105000

Note

1.brick and concrete shaft according to the drawing bury the steel plate in advance, plate parts please see the drawing. If not bury in advance, add beam between each floor. Guide rail support vertical distance not over 1.8m. When the distance between two landing sills over 11m, need a safety door.
2.hoistway pit can bear the load shows in the melt pit drawing, if there's space people can reach in the pit, the other land of the pit minimum designed by 5000N/m² load, and counterweight buffer(N2) installed in the solid land(by client)
3. the shaft inside ambient temperature at +5~+40 ℃
4.please meet the following requirements when you use expansion bolt to install the elevator guide rail support: a. concrete wall is solid and strong, the compressive strength not below 21Mpa b. the thickness of the concrete wall over 120mm
5.Shaft should keep dry and isolate from the water tank and flue. And it should be well-ventilated. The top of the shaft should have insulating layer and enough lighting. In cold region, it should take heating into consideration.
6.working condition for elevator: A. the altitude should not higher than 1000m. B.supply voltage:relative to rated voltage, the range should be controlled in +~7% C. the average max relative humidity of the elevator working place during the wettest month should be 90%. At the same time, the lowest temperature should be less than 25 degree centigrade D. there should have no corrosive and flammable air or conductive dust in the environment.
7.the shaft should keep vertical. It only allows positive deviation. The deviation of hoistway(whose total height is ≤30m) is as flows 0-+25mm, for shaft total height ≤60m, deviation is 0-35mm, for shaft total height ≤90m, deviation is 0-50mm.
8. the door size is the one after decoration. So there should have a slack in the building. And doing the decoration after installing the door. The power supply of cabin are all provided by the customer.
9. If there is equipment like water pipe, the customer should negotiate with our company in advance. The entrance of the room should be clear. The width for aisle and stair to the room should not be less than 1200mm, and the slope should not higher than 45 degree. the top of the shaft should install air vent and the size should be larger then 1% of shaft horizontal section area.
10. Independent ground lead must be connected to machine room switchboard

Floor	Height(mm

Mark	QTY	Sign	Date

Schumacher elevator (Zhangjiagang) Co., Ltd.

Design		Confirm	
Reviewer		Date	

Civil engineering guidance

Drawing No. SMKH3000