

# MRL Passenger Elevator

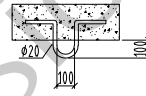
## Hoistway Structure

Concrete  Brick & Concrete  Other

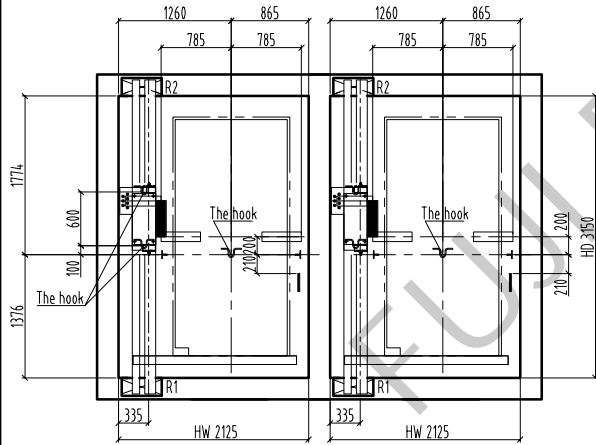
Unstandard  Standard

### NOTE

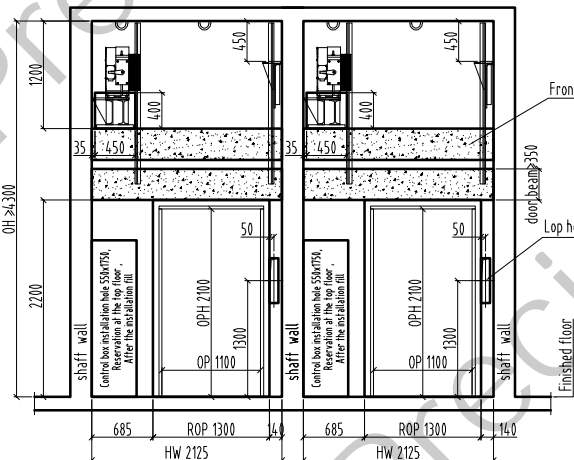
				Technical Requirement:			
HW	HOISTWAY WIDTH	CW	CAR INSIDE WIDTH	Type	TKJW 1600 / 1.0 -VF		
HD	HOISTWAY DEPTH	CD	CAR INSIDE DEPTH	F/P/D	/ /	Door type	Side open
OP	DOOR OPENING WIDTH	CH	CAR HEIGHT	load	1600	kg	speed 1.0 m/s
ROP	WALL OPENING WIDTH	MRW	MACHINE ROOM WIDTH	Machine	MCK300	Roping	2:1
OPH	DOOR OPENING HEIGHT	MRD	MACHINE ROOM DEPTH	T/sheave	φ 4.00	D/sheave	φ
OH	OVERHEAD HEIGHT	MRH	MACHINE ROOM HEIGHT	car sheave	φ 4.4.0	CW sheave	φ 4.00
CAR DBG	DISTANCE BETWEEN CAR GUIDE RAILS			Shaft	HW 2125	mm x HD 3150	mm
CWT DBG	DISTANCE BETWEEN COUNTERWEIGHT GUIDE RAILS			Cabin	CW 1250	mm x CD 2600	mm
				Door	OP 1100	mm x OPH 2100	mm



The hook

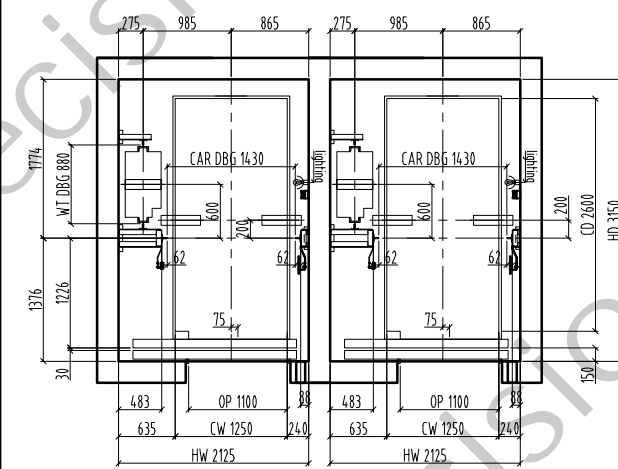


Overhead plan/1:60

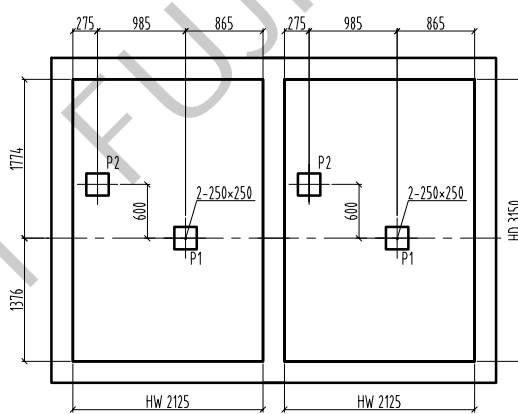


E/reserved hole/1: 60

Bottom box Top: 100x500 (base station) 100x400 (remaining stations)  
No bottom box Lop hole: φ50 hole

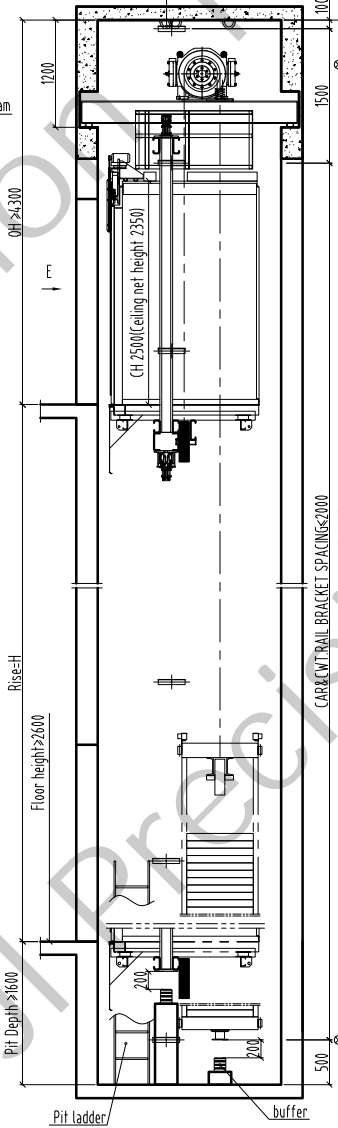


Hoistway plan/1:60



Pit plan/1: 60

The hook(20kn indicate on the hook)  
By others



ELEVATION /1:60

Speed	1.0	1.5	1.75	(m/s)
Power	11	16.6	19.4	(kw)
OH	>=4.600	>=4.700	>=4.700	(mm)
Pit	>=1600	>=1700	>=1700	(mm)
current				(A)

380V 3phase 5wire, 50Hz, fluctuation ±7%							
Support Force (N)							
R1	R2	R3	R4	P1	P2	P3	P4
37600	46400			114000	87000		

**Technical Requirement**  
 1. Power supply: machine room need equiped with power supply. Power supply box need be locked. Power supply should be 3P.5 wires, 380V 50Hz. Voltage tolerance ±7%, input power more than 50% of motor power, also equiped with air switch same capacity with power supply also allow the supplement leakage protector. When use VVV need use special leakage switch. Ground resistor should be < 4Ω. It should use insulated conductor from floor to machine room. Keep separate for null wire and ground wire.  
 2. Shaft requirement, it should be only for lift, can not install non-related device (pipe, cable, etc), and should keep the person entrance into. The shaft plan size mean the min size measured by plumb line, tolerance ±50mm. Basically not allow the protruding beam and column. The proof pressure of shaft side should be > 24MPa. Recommend to use full concrete, can not use the reserved steel.

OH	>=4.300
Rise	H
26 F	
25 F	
24 F	
23 F	
22 F	
21 F	
20 F	
19 F	
18 F	
17 F	
16 F	
15 F	
14 F	
13 F	
12 F	
11 F	
10 F	
9 F	
8 F	
7 F	
6 F	
5 F	
4 F	
3 F	
2 F	
1 F	
G F	
B F	
Pit	>=1600
Floor	Height

3. Machine room requirement (not for MRL). It had the passageway for the traction machine. keep the entrance unblocked. the door opens outward, also can be locked. Installed the fan, keep the humidity < 85%, temperature +5℃-40℃, surrounding the reserved hole should make the 50mm hole, keep the floor plan, also bear the load 700kg/m<sup>2</sup>. The motor beam should be supported in the concrete block, this concrete block should extend to the building beam or bearing wall. Bearing side should make the reserved same side steel. Bearing side thickness should over the wall thickness 20mm, total thickness > 200mm. Standard wall 200mm, recommed the bearing wall thickness > 200mm. The hook in the machine room should indicate the max. load. It should install the ladder and barrier in case have stair.

Drawing		approver	
Drawing No.	FTKW 1600-02		
manufacturing no.			
Project name			

FUJI PRECISION