



ISO 9001
Certificate



ISO 14001
Certificate



SIGMA

Your Elevator Partner
www.sigmaelevators.com

IRIS™ NV Panoramic



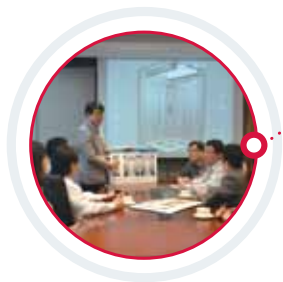
Your Elevator Partner... SIGMA

SIGMA Ride tomorrow, Lift future



Korean Engineered Products

SIGMA products are engineered by highly qualified Korean engineers and ensure customers to receive excellent products with reliable quality.



Aesthetics Design Excellence

SIGMA's Design Center in Korea and China are fully equipped with professionals who follow the most up-to-date aesthetic designs to satisfy customers needs.



Global Network

SIGMA has been with you for more than 45 years serving over 60 Countries.



SIGMA has already exported approximately 100,000 elevators worldwide since year 1978

● SIGMA SUBS ● DISTRIBUTORS



Khalid Al Attar Tower
UAE



Al Rames Tower
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Darwaza Tower
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Thailand



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Indonesia



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Kazakhstan



LG Beijing Tower
China



ASEM Tower
Korea



Intercontinental Hotel
Korea



Korea World Trade Center
Korea



Plaza La Castellana
Venezuela



Torre Global Bank
Panama



Ocean Two
Panama

One Side & Two Side View >>>>



OA-01



OA-03



OB-01



OA-02



OA-04



OB-02

Three Side View >>>>



OC-01



OC-02



OC-03



OD-01



OD-02



OD-03

Round View >>>>



OR-01



OR-02



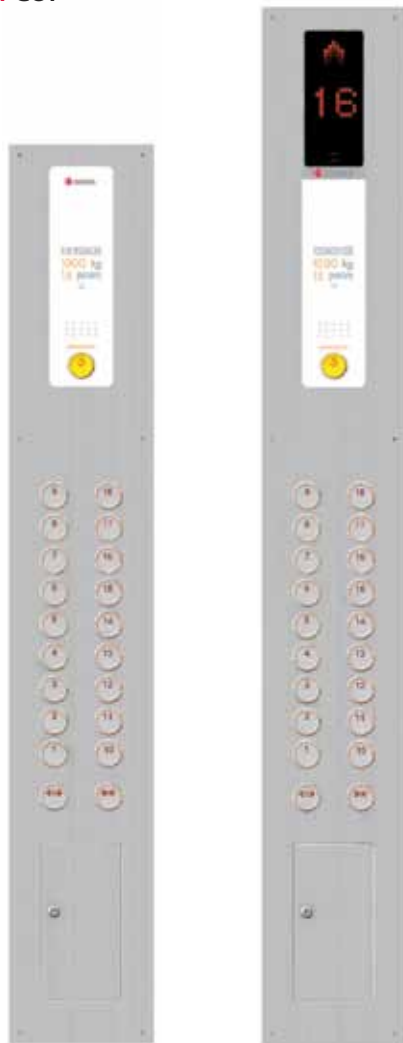
OR-03



OR-04

Car & Landing Fixtures |

| COP



CBM-22

CBX-22C

| Vertical Hall Indicator



VIX-M652

VIX-MA52S

| Handicapped COP



CBM-44SH

| Hall Button



HBM-R45

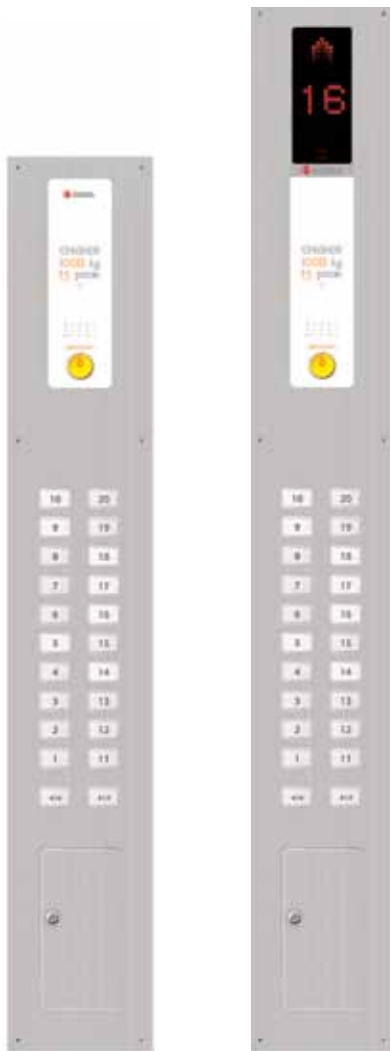
HBM-RA5S

HBM-R65

The actual product can be different (changed) depending on design

Car & Landing Fixtures II (Option)

I COP



CBM-16

CBX-16C

I Vertical Hall Indicator



VIX-M692

VIX-MA92S

I Hall Button



HBM-S49

HBM-SA9S

 The actual product can be different (changed) depending on design

Car & Landing Fixtures III (Option)

| COP



CBL-85C

| Horizontal Hall Indicator



HIL-C193



HIL-A193

| Vertical Hall Indicator



VIL-MBB2S

| Hall Button



HBM-RBBS

| Handicapped COP



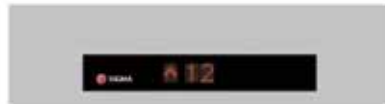
CBM-D1SH

The actual product can be different (changed) depending on design

Car Position Indicator



CIX-10



CIX-13

Horizontal Hall Indicator



HIX-A162



HIX-C162

Ceiling Designs



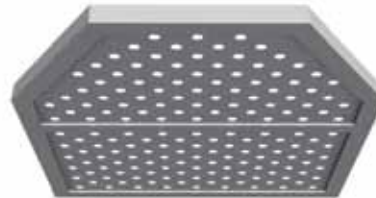
C-RL02



C-J031



C-1028



C-L02



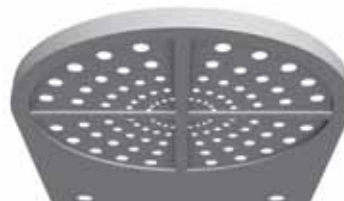
C-1024



C-6G04



C-0926



C-6G02

! The actual product can be different (changed) depending on design

Hall Lantern



HLV-C08



HLV-C11



HLV-C48

Handrail



HR-F01HL



HR-Y05HL



HR-L01HL

Floor (Local)



DT01



DT02



DT03



DE013



DE111



DE114



DE313



DE2106

Colors



SK-01

SK-02

SK-J04

SK-05

SK-06

SK-08

SK-07

SK-J15

SK-J16

SK-10

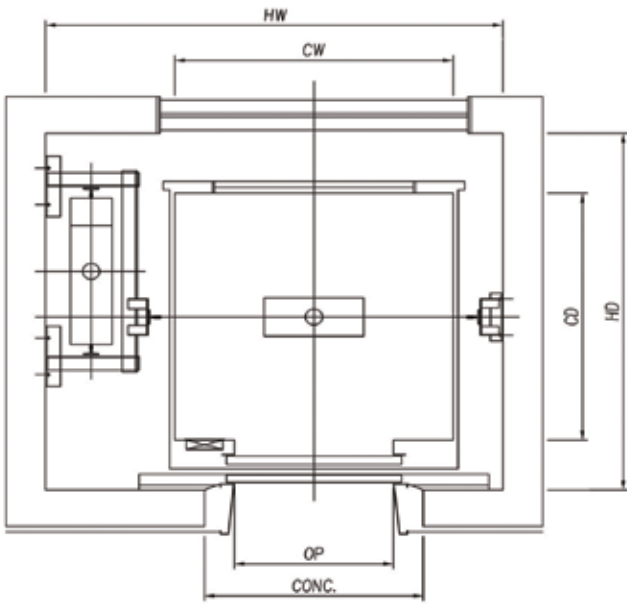
SK-11

SK-17

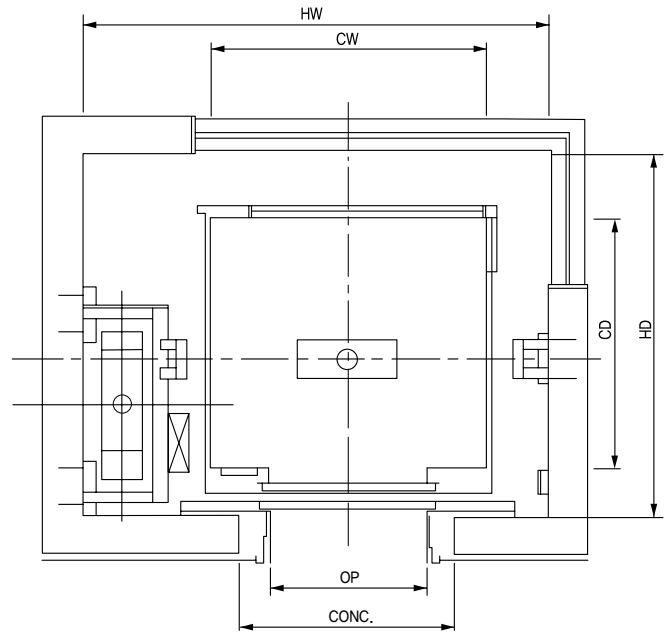
The actual product can be different (changed) depending on design

Technical Data

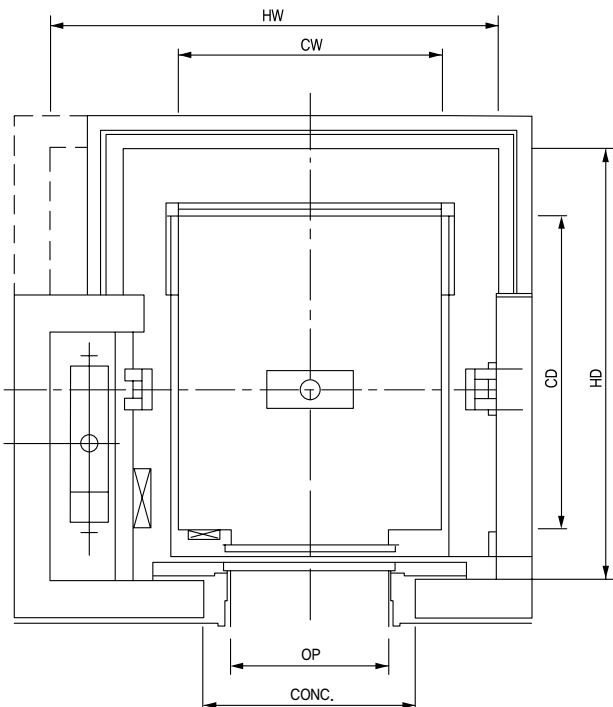
I Plan (OA)



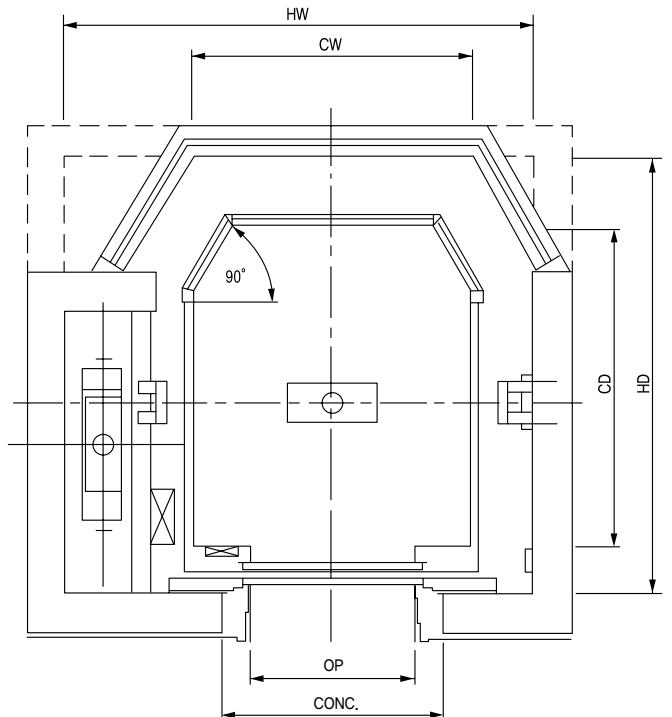
I Plan (OB)



I Plan (OC)

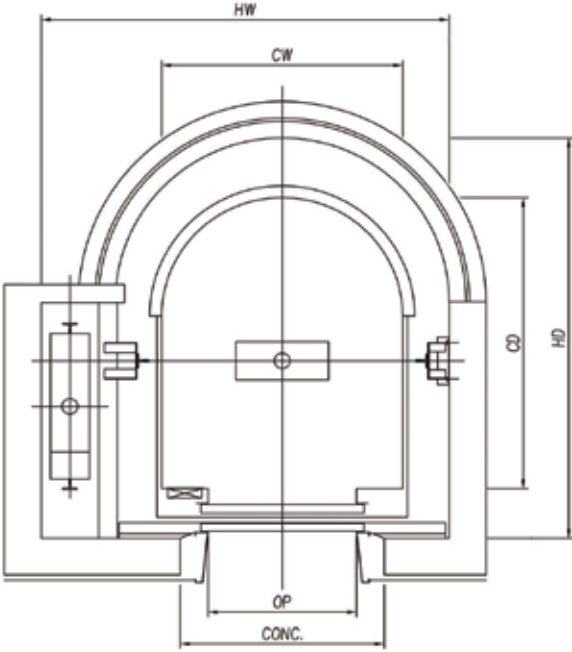


I Plan (OD)

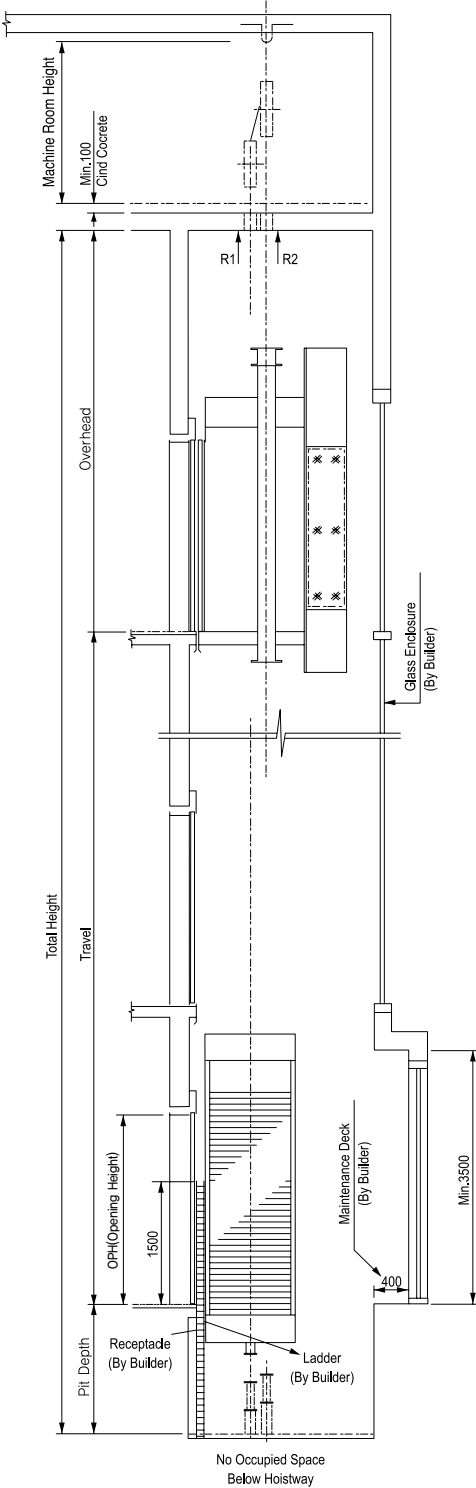


Technical Data

I Plan (OR)



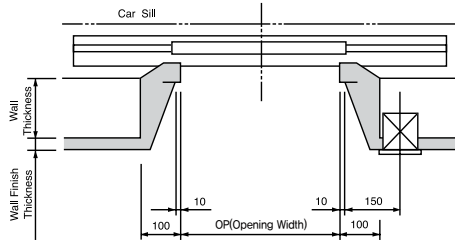
I Section



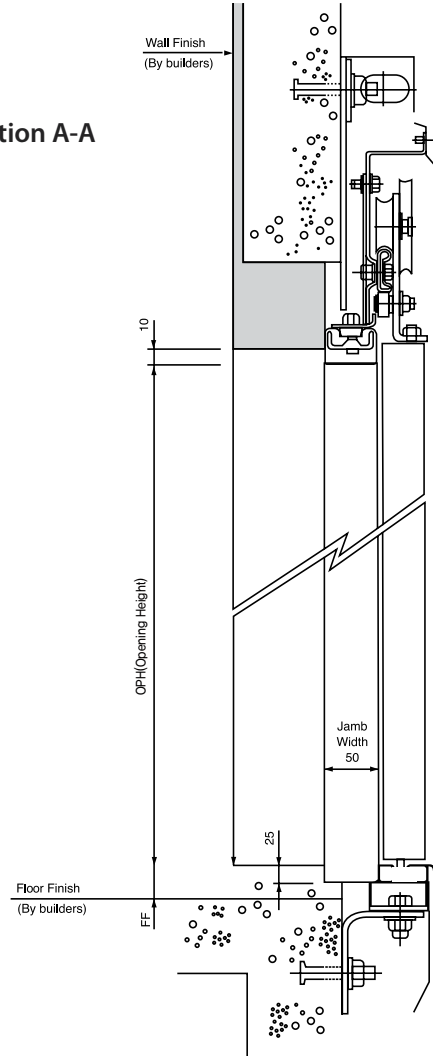
Technical Data

Narrow Jamb without Transom Panel

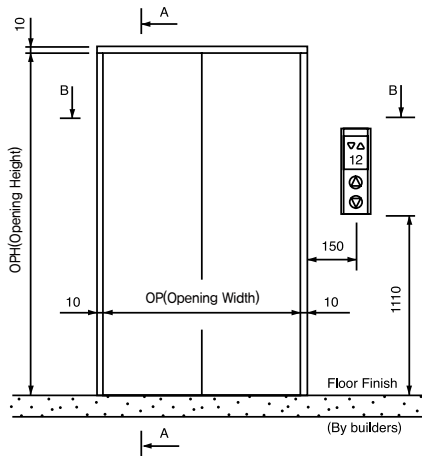
| Section B-B



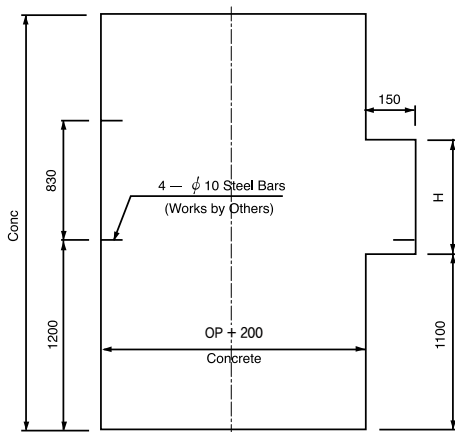
| Section A-A



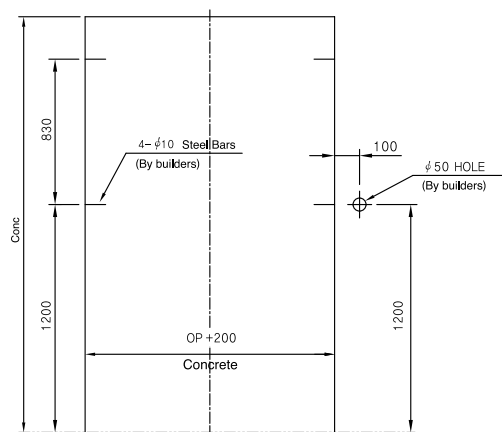
| Front View of Entrance



| Building Structure Plan (Normal Button)



| Building Structure Plan (Slim Type Button)

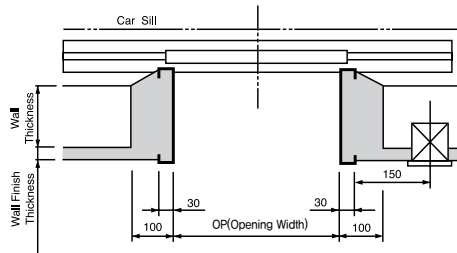


- Note**
1. «H» dimension in building structure plan depends upon the type of hall indicator selected.
 2. Unit : mm

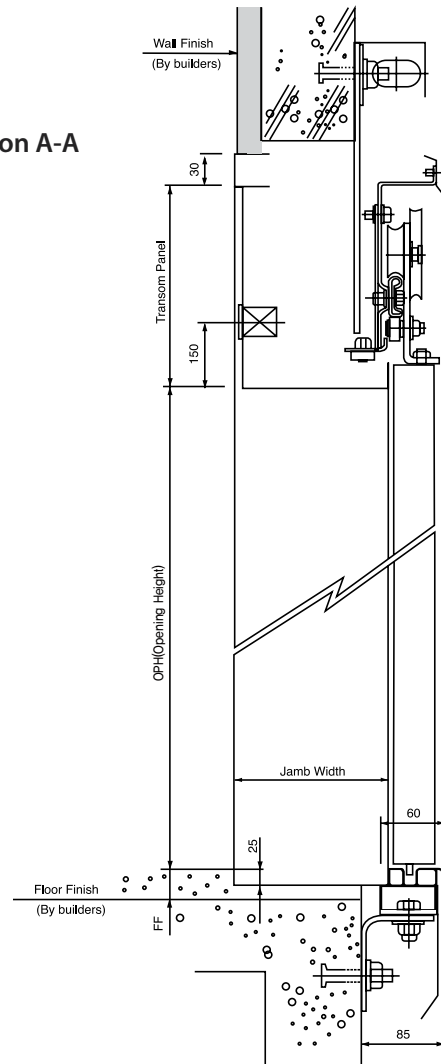
Technical Data

S-Type Wide Jamb with Transom Panel

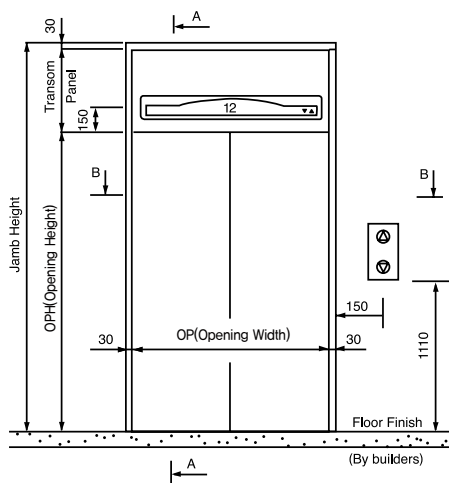
| Section B-B



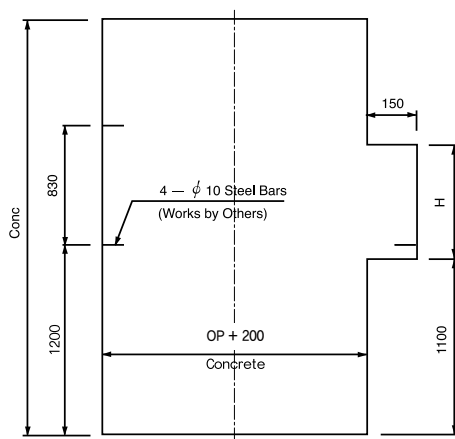
| Section A-A



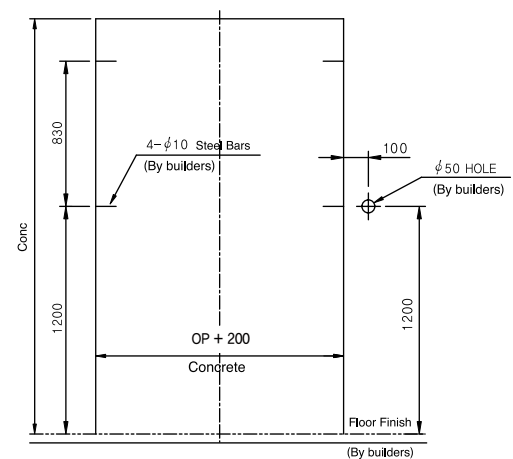
| Front View of Entrance



| Building Structure Plan (Normal Button)



| Building Structure Plan (Slim Type Button)

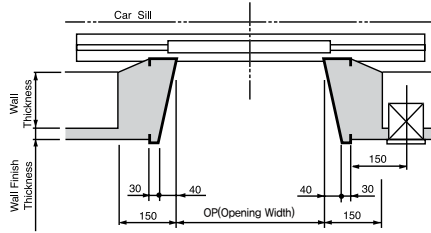


- Note**
1. «H» dimension in building structure plan depends upon the type of hall indicator selected.
 2. Unit : mm

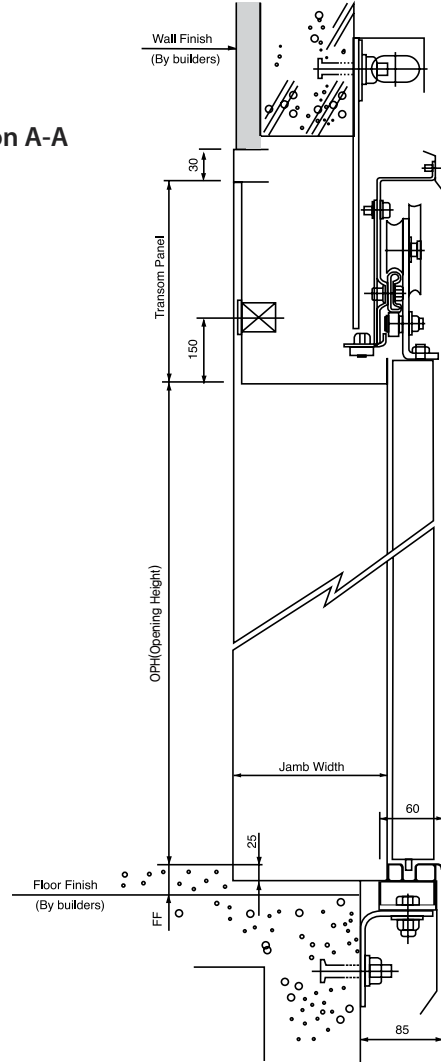
Technical Data

T-Type Jamb with Transom Panel

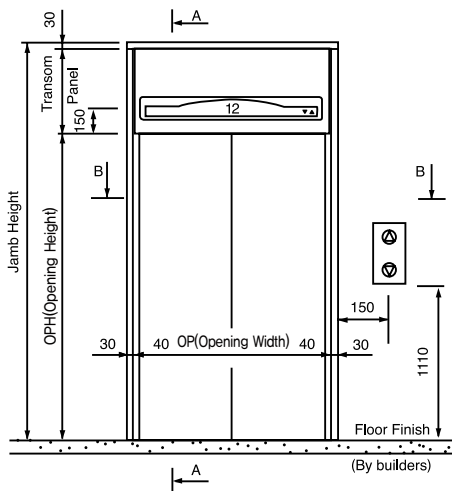
| Section B-B



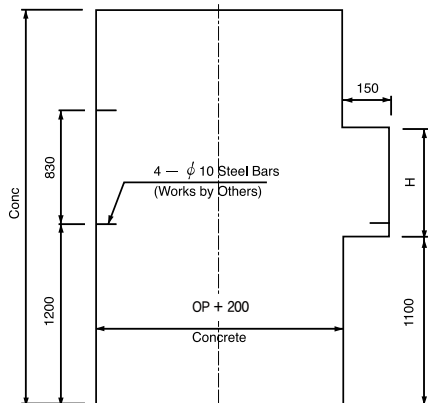
| Section A-A



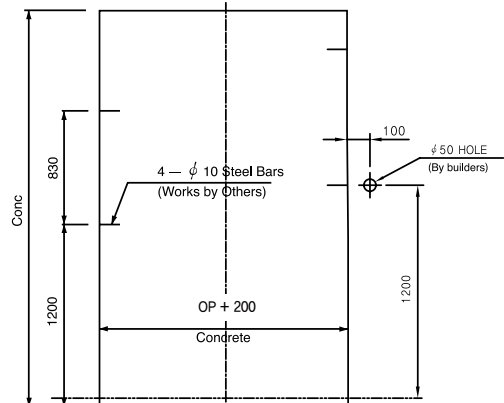
| Front View of Entrance



| Building Structure Plan



| Building Structure Plan (Slim Type Button)



- Note**
- «H» dimension in building structure plan depends upon the type of hall indicator selected.
 - Unit : mm

Technical Data

I Overhead, Pit & Machine Room Height

Speed(m/s)	Travel(m)	OH(mm)	Pit(mm)	M/C Room HT(mm)	Hook Load(Kg)
1.0	TR≤100	4500	2000	2300	4000
1.5		4600	2100		
1.75		4700	2300		

I Layout Dimensions

Speed (m/s)	Car Type	Person	Load (kg)	Opening Width (mm)	Car Inside Size (mm) CW x CD	HoistWay Size(mm)		M/C Room Size(mm)	
						Simplex	Duplex	Simplex	Duplex
						HW x HD	HW x HD	MW x MD	MW x MD
1.0/1.5/1.75	OA	10	800	800	1400*1350	2300*1950	4800*1950	2300*1950	4800*1950
		13	1000	900	1500*1600	2450*2200	5100*2200	2450*2200	5100*2200
		18	1350	1000	1700*1800	2700*2400	5600*2400	2700*2400	5600*2400
		21	1600	1000	1800*1940	2800*2550	5800*2550	2800*2550	5800*2550
	OB	10	800	800	1400*1350	4300*1950	4800*1950	2300*1950	4800*1950
		13	1000	900	1500*1600	2450*2200	5100*2200	2450*2200	5100*2200
		19	1350	1000	1700*1800	2700*2400	5600*2400	2700*2400	5600*2400
		21	1600	1000	1800*1940	2800*2550	5800*2550	2800*2550	4800*2550
	OC	10	800	800	1400*1350	2250*1950	4700*1950	2250*1950	4700*1950
		13	1000	900	1500*1600	2400*2200	5000*2200	2400*2200	5000*2200
		18	150	1000	1700*1800	2700*2400	5600*2400	2700*2400	5600*2400
		21	1600	1000	1800*1940	2800*2550	5800*2550	2800*2550	5800*2550
	OD	10	800	800	1400*1400	2250*2000	4700*2200	2250*2000	4700*2000
		13	1000	900	1500*1670	2400*2300	5000*2300	2400*2300	5000*2300
		18	1350	1000	1700*1890	2700*2500	5600*2500	2200*2500	5600*2500
	OR	10	800	800	1300*1600	2200*2200	4600*2200	2200*2200	4600*2200
		13	1000	900	1400*1860	2400*2500	5000*2500	2400*2500	5000*2500
		18	1350	1000	1600*2080	2650*2700	5500*2700	2650*2700	5500*2700

I Power Supply Plan

(380V)

Speed (m/s)	Person	Load (kg)	Motor Capa (kW)	Transformer (kVA)	MCCB Capa (A)	Lea-in Wire Size(mm ²)	Earth Wire Size(mm ²)	Heat Out put (kcal/hr)	Starting Power (kVA)
1.0	10	800	6.7	8.9	25	10	10	1350	14.8
	13	1000	7.7	11.1	32	16	16	1725	18.6
	18	1350	10.8	15.5	40	25	16	2400	25.6
	21	1600	10.8	15.5	40	25	16	2400	25.6
1.5	10	800	10	13.5	32	16	16	2025	22.5
	13	1000	11.6	18.2	40	25	16	2588	30.3
	18	1350	16.2	25.3	60	35	16	3600	42.1
	21	1600	16.2	25.3	60	35	16	3600	42.1
1.75	10	800	11.7	16.4	32	16	16	2363	27.2
	13	1000	13.6	21.0	50	35	16	3019	34.9
	18	1350	18.9	29.1	60	35	16	4200	48.5
	21	1600	18.9	29.1	60	35	16	4200	48.5

Technical Data

Technical Features

I Operation Functions

● Standard ○ Option

Features	Description	
Safety Drive Operation	During normal operation, a malfunction is occurred suddenly but it's not serious, in this case, if the car is not in a door zone, then the car starts to run to the nearest floor, the car remains stop with door fully open and "Out of service" lamp.	●
Detection of Jammed Hall Button and Exclusion From Operation Service	If a hall button is jammed mechanically, the hall call will be automatically bypassed after being served once, until the problem is resolved.	●
Attendant Operation	The operating mode of an elevator can be changed from the normal automatic operation to the attendant service by an attendant switch.	●
Independent Operation	Key switch in the car operating panel will cancel any existing hall calls and hold the door open at the landing position. During independent operation, the car will respond only to respond car calls.	●
Anti-nuisance Operation	In case of substantial difference between the number of calls registered on the car operating panel and actual load in the elevator, the elevator prevents unnecessary operation by canceling all registered calls when it arrives at the nearest floor.	●
Car Call Cancellation	Allows cancellation of an incorrectly registered car call. If you push a wrong floor button in the car, you can cancel it by pressing the same button one more time.	●
Nearest Stop	When the car stops between floors due to mechanical malfunction. It will move to the nearest floor for the emergency escape.	●
Automatic Door Open & Close Time Adjustment	Door open and close are automatically adjusted depending on whether the car is a hall call or a car call to increase the operating efficiency.	●
Car Door Safety Edge	Extending the full height of the car door, this device enables the doors to return to the fully open position, should the door encounter a person or obstacle while closing.	●
Automatic Car Light & Fan Turn-off	Car illumination and fan are turned off automatically in case there is no hall call or car call to save energy.	●
By Pass Operation (80%)	If the actual load comes to more than 80% of the allowable maximum load, the elevator will not react to the calling signals from other passing floors.	●
Over Load (110% of rated load) Holding Stop	When the load of passengers exceeds the maximum capacity, a buzzer sounds and the elevator remains stopped at that floor. When the passengers get off, the buzzer will stop. Consequently elevator doors will close and operation continues.	●
Car Position Display	Car position display in car or hall, operated by car indicator or hall indicator.	●
Over Speed Governor	Located at the top of the hoist way, engages the governor rope, causing activation of the elevator safety device, should the elevator car accelerate beyond the predetermined maximum speed in the "up and down" direction.	●
Emergency Lighting Feature	In case of power failure, the emergency light will turn on and maintain a period of time	●
Changeable Reference Floor	The reference floor can be changed by the customer.	●
Slow Running when Checking and Repairing	When checking and repairing, the elevator will operate slowly to ensure the worker' safety.	●

Technical Data

Technical Features

I Operation Functions

● Standard ○ Option

Features	Description	
Terminal Limit Switches	Prevent the elevator from traveling beyond a terminal landing, in dependent of the functioning of the operating device.	●
Interphone	Provide emergency communication between passengers in the car, the machine room or building personnel in a security or maintenance room.	●
Car Chime	Arrival signal	●
Hall Button Jam	When hall button continues to be active long time, a car could be ignore the hall call.	●
ERO&MSK Operation	ERO: Refer to GB7588-2003 14.2.1.4, MSK for SIGMA	●
Emergency Firemen Service	In case of fire, firemen can use the elevator which is stopped at the specified floor in order to support firemen for fire-fighting.	○
Emergency Fire Return Operation	In case of fire, every car should be returned to the specified floor in order to evacuate passengers to safety.	○
Automatic Rescue Device(ALP)	In case of power failure, when the building has no emergency power supply, the elevator is sent to the nearest floor by DC power of battery to prevent passengers from being trapped in the car.	○
Door Nudging	When the doors remain open for more than the fixed door open time (approx. 20 seconds), this feature closes the doors at reduced closing speed with buzzer sounding.	○
Supervisory Interface and EMS	CRT interface and DOS100 interface is applicable to SI210 controller only.(need I/F board)	○
Earthquake	The earthquake sensor detects whether the earthquakes occur or not. When earthquakes occur, the device forces the elevator to stop at the nearest floor with door fully open, and the elevator can't operate any more.	○
Cancel Hall Chime	To cancel hall Chime in night, in order to keep quiet for people.	○
Voice Synthesizer	MICOM to the elevators on the synthesized speech The ability to automatically broadcast the status information.	○
Hall Call Canceling	This feature is available to simplex operation only. - Allows cancellation of an incorrectly registered hall call. - At landing floor, this operation is not available for door re-opening	○
Night Noise Restriction	A timer or RTC (Real Time Clock) activates this feature. When RTC reaches designated time, chime and/or gong is deactivated.	○
Auto Changed Basement	The car serves the basement. This may be one or more basement floors. A timer or RTC (Real Time Clock) activates this feature. When RTC reaches designated time, basement floor can be changed automatically	○
Canceling Group Operation	A car can be separated from two-car group operation by a switch or EMS command and be operated standalone.	○
Wait with Opened Door	A car Wait with Opened Door at basement floors	○
Through Type	Opened front door and rear Door	○
Generator Operation	When power off, receive power from generator, and operate according to procedure of Generator	○
Re-leveling	Adjust leveling between landing sill and Car sill	○