



PASSENGER ELEVATOR COMPREHENSIVE BOOK

BEST SERVICE

I S O U R D U T Y

บริการที่ดี...คือหน้าที่ของเรา



WWW.NPSPLUS.CO.TH

205/77 Moo 1, Phimolraj,
Bang Bua Thong, Nonthaburi 11110
Tel. : (+66) 2 964 8125, (+66) 9 5952 7523
E-mail : nps_plus@yahoo.co.th
Line@ : @npsplus



SMALL MACHINE ROOM PASSENGER ELEVATOR

Small machine room passenger elevator is tailored based on the needs of human living and life. It integrates the cutting-edge technology of contemporary elevators and uses forward-looking design styles to lead the future development direction of passenger elevators and become a model of high standards. Excellent running performance and diversified functional configurations meet your more requirements for passenger elevators.

APPLICATION SCENARIOS



Hotel



Office building



Residential building

SPEED RANGE

(m/s) Rated speed	(m) Max. traveling height	(kg) Loading capacity
1.0	50	630-2000
1.6	80	630-2000
1.75	120	630-2000
2.0	120	800-2000
2.5	150	800-2000

MACHINE ROOMLESS PASSENGER ELEVATOR

Machine room-less passenger elevator, machine room-less design, relieves the elevator's constraints on construction, construction cost, architectural design style and scope of use, and brings efficient and stable vertical transportation solutions to urban buildings while saving space and cost.

SPEED RANGE

(m/s) Rated speed	(m) Max. traveling height	(kg) Loading capacity
1.0	50	450-2000
1.6	60	450-2000
1.75	80	630-2000
2.0	95	1000-2000

CAR DECORATION NPS-JS-001

Ceiling : Dusting steel plate, acrylic, LED lighting

Car wall / Front wall :

Hairline stainless steel

Car door : Hairline stainless steel

Floor : PVC

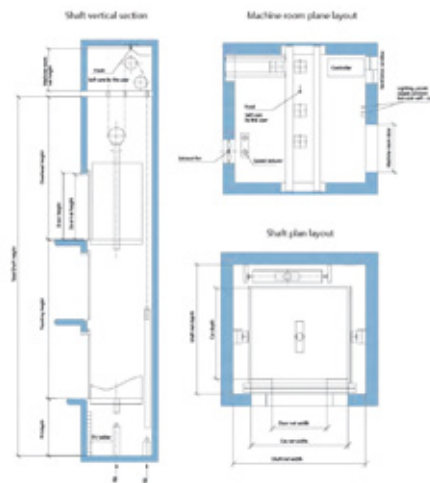
Skirting : Hairline stainless steel



CONSTRUCTION SKETCH FOR PASSENGER ELEVATOR

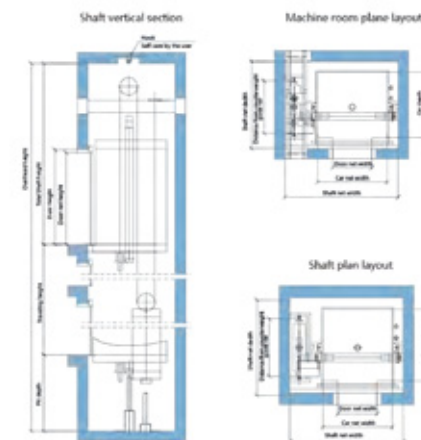
SMALL MACHINEROOM

ลิฟต์ประเภทมีห้องเครื่อง



MACHINE ROOMLESS

ลิฟต์ประเภทไม่มีห้องเครื่อง



Load (Kg)	Speed (m/s)	Car size (mm)	Door-opening Size (mm)	Shaft (mm)	Pit depth (mm)	Overhead height (mm)	Opening mode
630	1.0	1400 x 1100 x 2400	800 x 2100	1900 x 1750	1400	4200	50
	1.5/1.75				1600	4400	90
	2.0				1700	4700	105
800	1.0	1400 x 1350 x 2400	800 x 2100	1900 x 2000	1400	4200	50
	1.5/1.75				1600	4400	90
	2.0				1700	4700	105
	2.5				1900	4900	120
1000	1.0	1600 x 1500 x 2400	900 x 2100	2100 x 2150	1400	4200	50
	1.5/1.75				1600	4400	90
	2.0				1700	4700	105
	2.5				1900	4900	120
1150	1.0	1800 x 1500 x 2400	1000 x 2100	2350 x 2250	1500	4400	50
	1.5/1.75				1700	4400	90
	2.0				1800	4600	105
	2.5				2000	4800	120
1350	1.0	1950 x 1500 x 2400	1100 x 2100	2500 x 2250	1500	5000	50
	1.5/1.75				1700	4600	90
	2.0				1800	4800	105
	2.5				2000	5000	120
	3.0				1500	4400	50
1600	1.0	1950 x 1750 x 2400	1100 x 2100	2500 x 2500	1700	4600	90
	1.5/1.75				1800	4800	105
	2.0				2000	5000	120
	2.5				1500	4400	50
2000	1.0	2000 x 2100 x 2400	1200 x 2100	2900 x 2600	1700	4600	90
	1.5/1.75				1800	4800	105
	2.0				2000	5000	120
	2.5				3000	5500	135
2000	3.0	2000 x 2100 x 2400	1200 x 2100	2600 x 3000	4000	6500	165
	4.0				4500	7500	180
	5.0						
	6.0						

Load (Kg)	Speed (m/s)	Car size (mm)	Door-opening Size (mm)	Shaft (mm)	Pit depth (mm)	Overhead height (mm)	Opening mode
630	1.0	1200 x 1400 x 2400	800 x 2100	2200 x 1800	1500	4200	50
	1.5/1.75				1600	4500	90
	2.0				1800	4700	105
800	1.0	1400 x 1400 x 2400	800 x 2100	2400 x 1800	1500	4200	50
	1.5/1.75				1600	4500	90
	2.0				1800	4700	105
	2.5				1900	4900	120
1000	1.0	1600 x 1500 x 2400	900 x 2100	2600 x 1900	1500	4200	50
	1.5/1.75				1600	4500	90
	2.0				1800	4700	105
	2.5				1900	4900	120
1350	1.0	1950 x 1500 x 2400	1100 x 2100	3150 x 1900	1500	4200	50
	1.5/1.75				1600	4500	90
	2.0				1800	4700	105
	2.5				1900	4900	120
1600	1.0	1950 x 1750 x 2400	1100 x 2100	3150 x 2150	1500	4200	50
	1.5/1.75				1600	4500	90
	2.0				1800	4700	105
	2.5				1900	4900	120
	3.0				1500	4400	50



Professionally customized for your home, no matter what your building structure is, whether you reserve an elevator shaft or not, we can customize home elevator solutions for you. From functional configuration to decoration style, it perfectly matches your home and meets the needs of you and your family.



Gantry Structure

The adopted gantry structure is designed and manufactured according to the standard GB/T21739, safe and stable. It further reduces the requirements for buildings. Meanwhile, both sides of the car are equipped with guide rails to ensure even pressure so the elevator is more comfortable and safer.

SPEED RANGE

(m/s) Rated speed	(m) Max. traveling height	(kg) Loading capacity
0.4	12	250-400

APPLICATION SCENARIOS



Villa



Flexible Installation of the Traction Machine

You can select guide-type installation or beam-type installation according to the actual conditions on the site. The methods of installation are very simple and innovative.

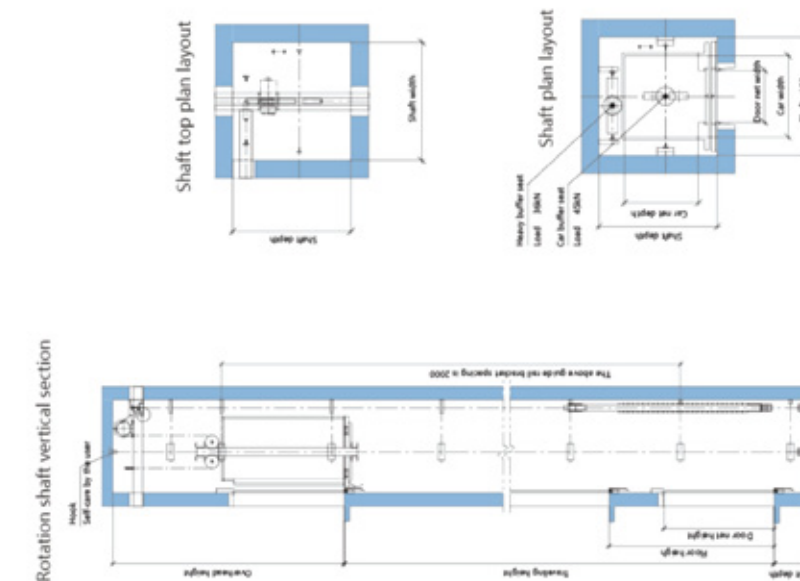
Intelligent Calling

There are flexible methods of calling available, such as mobile phones, facial recognition and voice recognition, for you to customize calling methods for your family members.



HOME CAR DESIGN

REAR PLACEMENT HOME ELEVATOR CONSTRUCTION SKETCH



HOME CAR DESIGN NPS-JS-001

- Ceiling:** Hairline stainless steel, LED lighting
- Car wall / Front wall:** Hairline stainless steel
- Car door:** Hairline stainless steel
- Floor:** PVC
- Skirting:** Hairline stainless steel



Load (Kg)	Speed (m/s)	Car size (mm)	Door Size (mm)	Shaft (Min.) (mm)	Pit depth (mm)	Overhead height (mm)	Power supply	Opening mode	Motor power (Kw)
250	0.4	1050 x 950 x 2200	650 x 2000	1400 x 1400	< 300	3000	Single-phase 200v or three-phase 380v	Split door	1.1
		1100 x 900 x 2200	700 x 2000	1550 x 1500	≥ 300	3500		Split door	
320	0.4	1100 x 1020 x 2200	700 x 2000	1500 x 1500	< 300	3000	380v	Split door	1.1
		1100 x 1100 x 2200	700 x 2000	1550 x 1700	≥ 300	3500		Split door	
400	0.4	1200 x 1150 x 2200	750 x 2200	1600 x 1600	< 300	3000	380v	Split door	1.5
		1300 x 1100 x 2200	800 x 2000	1750 x 1700	≥ 300	3500		Split door	

Name	Lift actuation description
Automatic running	Automatic opening; Automatic delay closing; Automatic early closing (when the door is open to delay); Automatic registration (anti-disturbance, misoperation elimination); Outside call to automatic intercept; Outside call reverse the highest (or lowest) automatic intercepting.
Driver running	Automatic door opening; Manual closing; Automatic registration (anti-disturbance, misoperation elimination); The outside call is automatically truncated.
Inspection running	After the system is set to overhaul, press the button slowly, and the elevator will run up or down with maintenance speed, and stop after releasing the button.
Electrified automate door-open	Normally, when the elevator system is energized, if the car is in the door will open automatically.
Automatically door-shut time-delay	When the door is fully opened, keep the door area, the door will open automatically.
Local outer eating door-open	If the elevator is closed but not started, if it is called outside, it will be reopened.
Optical curtain protection to the safety edge	When the safety touch panel or light curtain is blocked, the closing action stops immediately and the door opens automatically.
None door-shut h overload	When overload, the door is not closed, overload lights are on, the buzzer sounds, the cage shows CZ, the elevator does not start.
Full-load bypass	When it reaches the rated load, only responds to internal selection and does not respond to external calls.
Driver control bypass	When the driver is running, press the straight button. The elevator only responds to the internal selection, not the call.
Running condition display	By controlling the liquid crystal display on the main computer board in the cabinet, the state, direction, floor, door state and load of the elevator are displayed. Information and so on
Automatic switch of lighting	When the elevator is not used within 15 minutes, the light in the cage will be automatically extinguished, and will be opened automatically after receiving any call order.
Automatic parking at trouble conditions	If the express train fails to stop in the non-gate area, the car will move to the middle floor and then open the door.
Fire-fighting operation	Eliminate all internal and external call signals, return to fire base station, door open frequently, output fire fighting linkage signal.
Accidental operation removal	Repeatedly press the button to undo the error check.
Setting of the lift waiting floor	In the absence of a driver, in a certain period of time neither internal selection nor external call, the car automatically runs to the stand-by floor.
Inlaid self-diagnosis of the outer calling button	If the duration of and outside call button for more than 20 seconds, embedded system is that the button (position), the outside layer called grant registration, and the corresponding outside called response flashing alarm button.

Name	Lift actuation description
Trouble diagnosis	When the fault occurs, the fault is diagnosed automatically, and the fault information is displayed on the LCD screen. Save the time, type and failure floor information of the last 10 failures in the "failure report" menu for maintenance personnel to view.
Arrival gong	Sound/Alarm after landing at the designated floor.
Parking control	After setting up the key switch on the designated floor, the elevator will return to the designated floor after answering all the instructions. At the same time, the energy saving mode will be used, the inside lighting will be cut off and the outside stop ladder will be turned off.
Non floor stop setting	Do not stop when the floor is set.
Wanton setting of the floor display character	The display character of each floor (English letter or symbol number) is set by the key operation of the liquid crystal display in the cabinet.
Timing of automatic start/stop	The system will automatically open the ladder (stop) according to the setting of the elevator.
Directional selection of the driver	Press the upper and lower direction buttons before driving to determine the running direction.
Interference assessment	The site control cabinet earthing (suppress interference sources), and grounding line (reliable shielding) situation evaluation, direct debugging personnel to eliminate hidden dangers, for microcomputer control system is more reliable safe work environment.
Emergency electric start	Emergency electric is in safety circuit malfunction, under the condition of normal power supply can supply a kind of emergency measures (subpart of the safety circuit), so that in the shortest possible time to release trapped inside the capsules, restore the normal use of the elevator.
Well self-tuning	In the condition of maintenance, the upper limit of the upper limit of the lower limit switch starts up, and the position of the door area of each floor is measured and the data of the location of the opening is set up, and the data is stored permanently.
Reverse running protection	When the system detects that the direction of the elevator running for 3 seconds is inconsistent with the instruction direction, it will stop immediately, alarm the fault, and prohibit all actions of the elevator before the CPU reset.
Repeated door-shut	After executing the closing order, reopen the door before closing the door when the interlock loop is not connected at the specified time.
Safely loop protection	Safety loop and lift off, will immediately stop running.
Limit protection	The system detects the stop-off action and immediately stops the elevator.
Ultimate protection	The system detects the action of the limit turn off and the whole system goes down at once.

BASIC FUNCTIONS

Name	Lift actuation description
Interlock protection	All door interlocks are closed and the elevator can be operated. If the door interlock is broken or shaken in operation, the elevator will stop running.
Running contactor protection	The system can detect whether the motor circuit contactor is reliable is reliable. If abnormal (not sucking or sticking), the elevator will be stopped.
Braking detector protection	The opening and closing of the lock is monitored in real time by the brake arm detection switch. When the lock is not opened as required, the system will prevent the elevator from starting.
Terminal speed change and floor number correction	After the system detects the end station closure, the elevator will be forced to change speed and automatically calibrate the floor display.
Re-leveling function	The elevator stops on the current floor, and when too many passengers enter the elevator or leave the elevator, the car exits the flat area due to the elongation or shortening of the wire rope (the door area sensor has a detach; the elevator will start running at low speed to the level point under the condition of the open door).
The function of door-open ahead of time	The elevator will open the door in advance if it meets the condition of opening the door after the normal deceleration of the elevator runs to the gate area of the destination floor.

Optional Functions

Name	Lift actuation description
Special running	In this state, the external call button is invalid. The elevator operation is completely controlled by the driver in the cage, and the driving mode is the same as that of the driver.
Anti- nuisance	When the elevator runs to the farthest floor speed change, clear all internal registration; lift light load up to 3 internal registration, multi-selection invalid.
The function of the lift for the handicapped	By setting the parameters to enable the function of ladder for the disabled, the disabled person can control the disk, call outside; set up the inner-select instruction of the disabled, open and close the input button; use the universal outer calling board to distinguish whether the disabled person is calling outside or ordinary through the address; when the layer is flat. If there is a disabled person's internal instruction or external call on this floor, the opening time maybe extended. If the disabled person presses the button to open the door, the opening time maybe extended.
Long-distance monitor	Through wired or wireless communication module, the elevator operation status can be monitored in real time at the remote monitoring center.
Residential quarter monitor	Through the bus, the control system is connected to the PC installed in the monitor room, and the monitoring software can monitor the elevator floor position, running direction, fault state and so on on the PC computer.

OPTIONAL FUNCTIONS

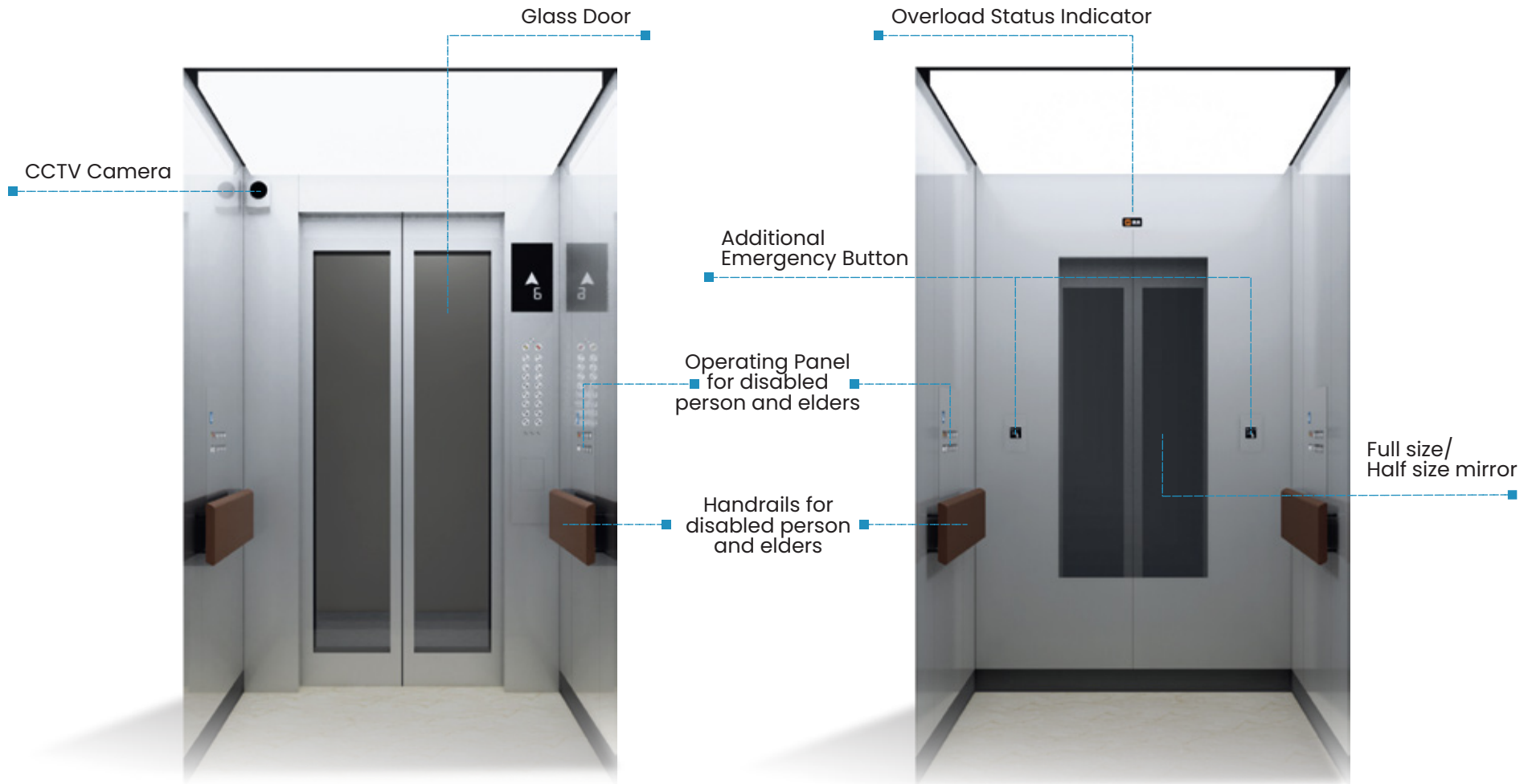
Name	Lift actuation description
Voice arrival	When the system is equipped with the function of voice station reporting, the voice alarm will report the coming floor during each flat floor process, and before each close of the door, the alarm will predict the direction of the elevator running next, and so on.
Parallel running	Parallel control is that two elevators transmit data through CAN serial communication bus to realize the function of two elevators to coordinate the call of the response station, so as to improve the operation efficiency of the elevator.
Group supervision running	Group control is the centralized control of multiple elevators. The system can control at most eight elevators. In the use of the group control system, the group can automatically select the most appropriate response, avoid repeated elevator stoppage, shorten the waiting time of passengers, and improve the running efficiency. Save electricity.
Spare running	When group control has optional function.
Continuous running	When group control has optional function.
On-duty peak service	When group control has optional function.
Distribution waiting	When group control has optional function.
ID Identification	The use of the elevator is controlled and only with an ID/IC card can the elevator be used.
As function	Monitor the operation of the whole elevator.
Liquid crystal display	Liquid crystal display, liquid crystal display in sedan chair and external call liquid crystal display.
Lift emergency device	Elevator emergency device is aimed at the elevator because of power failure or failure caused by the sudden stoppage in midway, the device will move quickly, driving the elevator to the low speed to the level position, flat level, and open the door to evacuate passengers at the same time.
Opposite door	Control the proper opening and closing of the through door on the corresponding floor.
Push-aside resistant	Non car door and open the layers, enter the state of protection cannot continue. To reset after power failure.
It prolongs the door shut time delay	Press this button before the door opens to close automatically, then the automatic door holding time is extended to the extended time set.
Safety touchpad protection	In the process of automatic closing of the elevator, prevent the person or goods from being damaged.
Electric brake release	When there is no mechanical release gate.

การออกแบบลิฟต์โดยสารเพื่อคนทั้งมวล รวมถึงผู้สูงอายุ และผู้พิการ

We aim to create an elevator that is easy for anyone to use so that people in wheelchairs can use the elevator with peace of mind. We offer a variety of specifications, including button layouts that are easier for wheelchair users to press and mirrors that allow you to see the back.



การออกแบบลิฟต์โดยสารเพื่อคนทั้งมวล รวมถึงผู้สูงอายุ และผู้พิการ



Braille Buttons for Disabled Persons

NPS-JS-COP-C001



Extra COP with Braille Buttons for Disabled Persons with intercom

NPS-JS-002

- Ceiling:** Bronze hairline stainless steel, acrylic transparent plate, LED light
- Cabin wall:** Bronze hairline stainless steel, bronze mirror-etched stainless steel
- Handrail:** Stainless steel
- Floor:** PVC (standards), Marble (optional)



NPS-JS-003

- Ceiling:** Black titanium Hairline stainless steel, LED light
- Cabin wall:** Black titanium hairline stainless steel, Mirror stainless steel
- Handrail:** Hairline stainless steel
- Floor:** PVC (standards), Marble (optional)



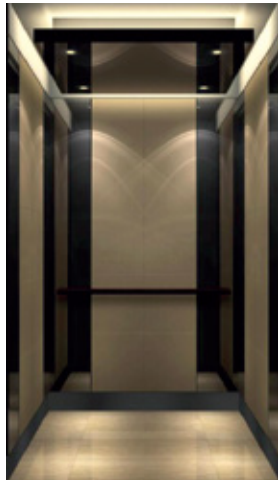
NPS-JS-004

- Front Wall and Lintel:** mirror stainless steel
- Side Wall:** 2 pieces, artistic steel plate
- Back Wall:** 3 pieces, corner call walls on right and left sides (artistic steel plate (C131 palm leaf vein) inside radius 50mm, width L1), white mirror ceramic H119+titanium black mirror (blacker)+white mirror ceramic H119, + black metal trim strips
- Split-type Top:** pink RAL9010 light, white mirror ceramic H119 + black decoration, hidden light strip (6,500K), 2 downlights with uniform light (6,500K)
- Floor:** full-sheet printing PVC



NPS-JS-005

- Ceiling:** Painted frame, black titanium mirror stainless steel, Hidden light strip, LED light
- Cabin wall:** Black titanium mirror stainless steel, marble
- Handrail:** Round wood handrail
- Floor:** PVC (standards), Marble (optional)



NPS-JS-006

- Ceiling:** Steel plate baking varnish, LED light
- Cabin wall:** Black titanium mirror stainless steel, Marble, Art glass, hidden light strip
- Handrail:** Hairline stainless steel
- Floor:** PVC (standards), Marble (optional)



NPS-JS-007

- Front Wall and Lintel:** steel plate car wall
- Side Wall:** standard pieces, wood grain artistic steel plate t1.2
- Back Wall:** the car wall in the middle is divided into three pieces (wood grain artistic steel plate t1.2), wood grain artistic steel plate on the right and left sides 10mm, light strip with broad light (6,000K)
- Integrated Ceiling:** steel plate roof, hung square roof + LED spotlight + hidden light strip on the back (6,000K)
- Floor:** PVC full-sheet printing



DECORATION

NPS-JS-D-001



Small jamb
Landing door: Hairline Stainless Steel
Jamb: Hairline Stainless Steel

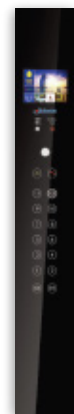
NPS-JS-D-002



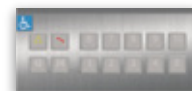
Small jamb
Landing door: Etched Stainless Steel
Jamb: Hairline Stainless Steel



NPS-JS-COP-001



NPS-JS-COP-002



NPS-JS-COP-C001



NPS-JS-HOP-001

HANDRAIL SERIES



NPS-JS-FS-001
Optional

NPS-JS-FS-002
Optional



NPS-JS-FS-003
Optional

NPS-JS-FS-004
Optional

NPS-JS-FS-005
Optional



NPS-JS-C-001



NPS-JS-C-002



NPS-JS-C-003

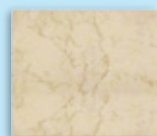


NPS-JS-C-004



NPS-JS-C-005

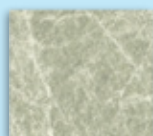
FLOOR SERIES



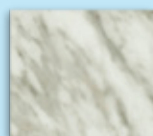
NPS-JS-F-001
Optional



NPS-JS-F-002
Optional



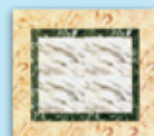
NPS-JS-F-003
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NPS-JS-F-004
Optional



NPS-JS-F-005
Optional



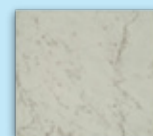
NPS-JS-F-006
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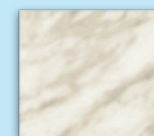
NPS-JS-F-007
Optional



NPS-JS-F-008
Optional



NPS-JS-F-009
Optional



NPS-JS-F-010
Optional

มาตรฐานที่คุณไว้วางใจ



WWW.NPSPLUS.CO.TH

N.P.S. PLUS COMPANY LIMITED

บริษัท เอ็น.พี.เอส.พลัส จำกัด

205/77 Moo 1, Phimolraj, Bang Bua Thong, Nonthaburi 11110

205/77 หมู่ 1 ตำบลพิมลราช อำเภอบางบัวทอง จังหวัดนนทบุรี 11110

Tel. : (+66) 2 964 8125, (+66) 9 5952 7523

Fax. : (+66) 2 964 8128

E-mail : nps_plus@yahoo.co.th

Line@ : @npsplus

