

SJEC

Escalator Passenger Conveyor



SUZHOU JIANGNAN JIAJIE ELEVATOR GROUP CO.,LTD.

SJEC

New Image, New Facility, Same Expertise

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Company briefs

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Abstract

Suzhou Jiangnan Jiajie Elevator Co.,Ltd. (SJEC) has been evolved from Suzhou Jiangnan Elevator Factory Co., Ltd., which was founded in 1992. Today its business covers design, manufacturing, sales, installation and maintenance of elevator, escalator and passenger conveyor.

Profile

SJEC stands in Suzhou Industrial Park with a land area of 56,000m² and manufacturing area of 31,500m². Its annual manufacture capacity is 3000 units of escalators and passenger conveyors as well as 5000 units of elevators. It is equipped with advanced manufacturing facilities including 6 modern assembling lines, Turret Punching Machine, Laser Cutting Machine, Machining Centre, CNC Shearing M/C, Bending M/C and Welding Robot ect. In order to guarantee that R&D is more efficient, more reasonable and safer, the technical team has been formed its strong R&D facility, such as Solid Edge 3D design system including senior indeed imitation, finity unit analysis etc. At present, the technical people occupies 45% of total 380 staff, which already shaped to super professional management and R&D team.

QC

SJEC has awarded the certificate of conformity from TUV that meets European instruction 98/37/EC and DIN En115 standards. It is also awarded ISO9000:2000 certification by DNV.

Sales

With more than 10 years effort, SJEC now produces a variety of products, such as high speed lifts, observation lifts, machine roomless lifts, Mini machine room lifts, freight lifts, commercial escalators, public service escalators and passenger conveyors. SJEC has gained a reputation both within China and internationally for its leading technology and continual Innovation idea. Our products have been widely praised in more than 30 countries and regions worldwide, and our worldclass quality product can be seen operating efficiently and gracefully throughout China, Europe, South/North America, Australia, Japan, Korea, Middle East and Southeast Asia etc.



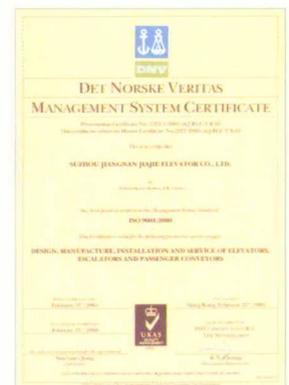
Overview of company



Pavilion of company



CE certificate



ISO9000 certificate



Manufacturing Facilities

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Believed that best quality comes from the best equipment, SJEC has focused on input world's first class NC facilities. For years, SJEC has been updated its 6 sheet metal lines successfully. There are 4KW laser cutting machine from MITSUBISHI, Turret Punching Machine from WIEDEMANN, CNC Bending and Shearing machine from KOMATSU, processing lines from AMADA, Processing center from Cincinnati, Welding Robot from YASKAWA and etc. All these can well guarantee our manufacturing quality.



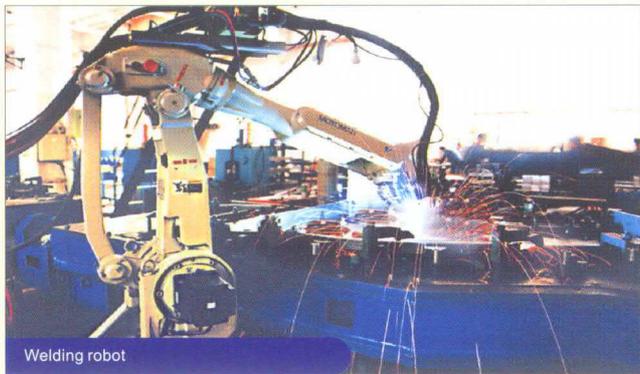
Overview of workshop



Laser cutting machine



Turret punching and shearing machine



Welding robot



Die-casting machine



FES Escalator

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Silence and comfort. The new generation has inherited the traditional safety, reliability, high efficiency style and combined with updated market trends as well as tailored solutions. It is widely used for shopping malls, Hotels, office blocks and etc.

Type	FES
Inclination	30° /35°
Step width(mm)	600/800/1000
Horizontal step run (mm)	800/1200
Speed (m/s)	0.5
Power supply	AC 3 phase. 50Hz/60Hz
Lighting supply	AC single phase. 50Hz/60Hz
Installation position	Indoor/Semi-indoor/Outdoor
Rise(m)	2~7.5



Avnat mall, Israel

Type	Standard	Optional
Balustrade design	Vertical safety glass (10mm safety tempered glass)	
Balustrade profile	Hairline ST/ST	
Handrail	Black	Other colors
Deckings	Hairline ST/ST	
Skirting panel	Hairline ST/ST	
Step	Aluminum alloy, painted with silver gray.	Black color or ST/ST
Landing plate	Etched ST/ST with anti slip pattern	Aluminum
Operation panel	Red emergency stop button and up/down key switch	Traffic light



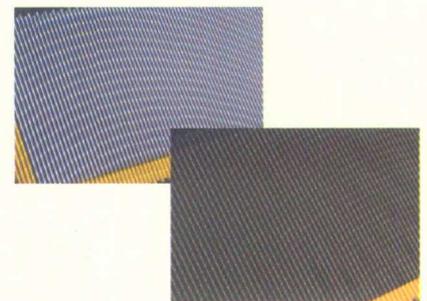
Sorya Shopping Center, Cambodia



Brisbane Royal Hospital, Australia



Science&Technology Hall, Beijing China



Dumus mall, Sweden

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FEH-10/FEH-20 Escalator

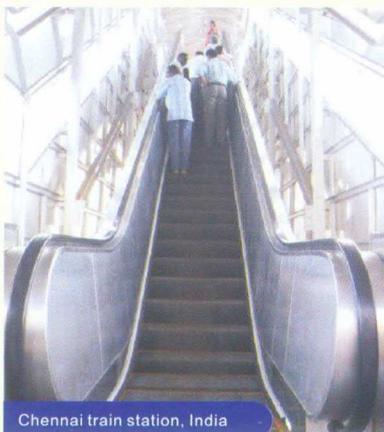
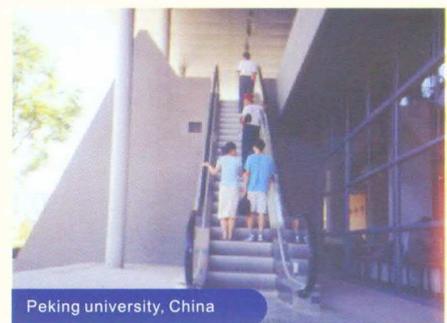
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Weatherproof and unique balustrade design, conform to special customer specifications.

Type	FEH-10	FEH-20
Inclination	30° / 35°	30°
Step width(mm)	600/800/1000	600/800/1000
Horizontal step run (mm)	800/1200/1600	1200/1600
Speed (m/s)	0.5/0.65	0.5/0.65
Power supply	AC 3 phase. 50Hz/60Hz	AC 3 phase. 50Hz/60Hz
Lighting supply	AC single phase. 50Hz/60Hz	AC single phase. 50Hz/60Hz
Installation position	Indoor/Semi-indoor/Outdoor	Indoor/Semi-indoor/Outdoor
Rise(m)	2~12.5	3~25



Type	Standard	Optional
Balustrade design	Vertical safety glass(10mm safety tempered glass)	Vertical/Inclined ST/ST(2mm)
Balustrade profile	Hairline ST/ST	
Handrail	Black	Other colors
Deckings	Hairline ST/ST	
Skirting panel	Hairline ST/ST	
Step	Die casting aluminum, painted with silver gray.	Black color/Yellow resin demarcetion
Landing plate	Etched ST/ST with anti slip pattern	Aluminum with anti-slip grooves
Operation panel	Red emergency stop button and up-down key switch	Traffic light





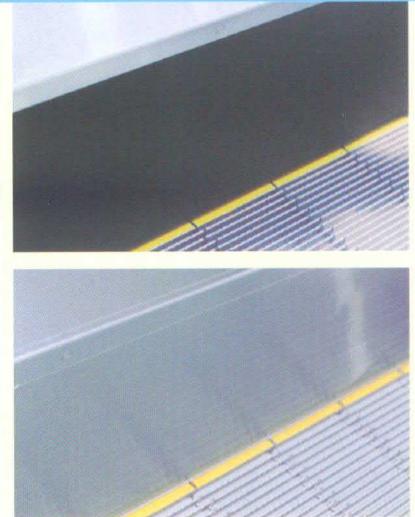
SJEC

Model No. SJ-1000
Capacity: 1000 PPH
Speed: 0.50 m/s
Length: 10000 mm
Width: 1000 mm
SINGAPORE

Passenger Conveyor

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Terse, comfortable ride combined with selective pallet width gives the moving walks great business appeal.



Specs	Moving walks		
	FET	FEF	FEW
Type	FET	FEF	FEW
Inclination	10° 11° 12°	10° 11° 12°	0° – 6°
Pallet width (mm)	800/1000	800/1000	1000/1200/1400
Horizontal pallet run (mm)	400(upper landing)	400/800	N/A
Speed (m/s)	0.5	0.5	0.5
Power supply	AC 3 phase. 50Hz/60Hz		
Lighting supply	AC single phase. 50Hz/60Hz		
Installation position	Indoor/Semi-indoor/Outdoor		
Rise/Length(m)	H:2~8	H:2~8	L:120

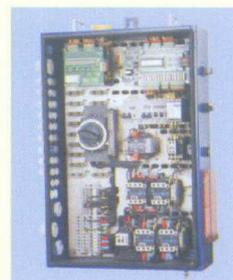
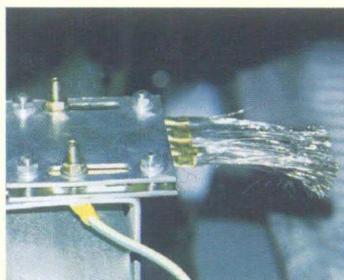
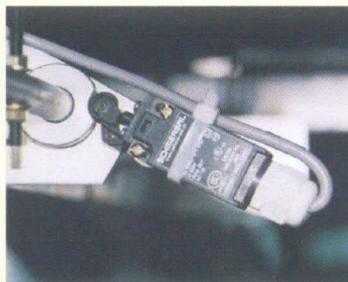
Type	Standard	Optional
Balustrade design	Vertical safety glass(10mm safety tempered glass)	Inclined stainless steel(2mm) for FEW
Balustrade profile	Hairline stainless steel	
Handrail	Black	Other colors
Deckings	Hairline stainless steel	Hairline stainless steel
Skirting panel	Hairline stainless steel	Teflon coating
Pallet	Die casting aluminum, painted with silver gray	Black color
Landing plate	Etched stainless steel with anti slip pattern	Aluminum with anti-slip grooves
Operation panel	Red emergency stop button and up-down key switch	Traffic light



Standard & Optional Features

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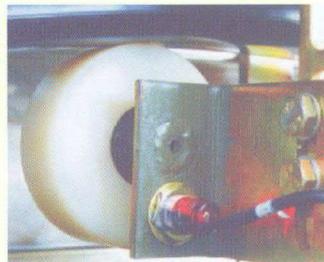
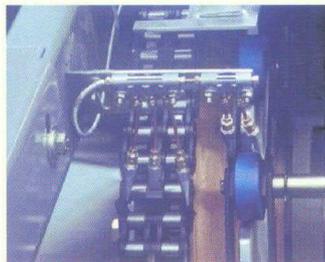
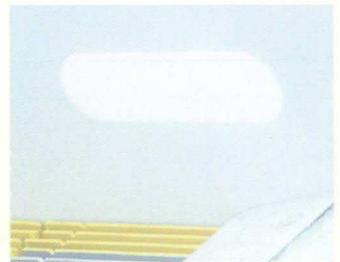
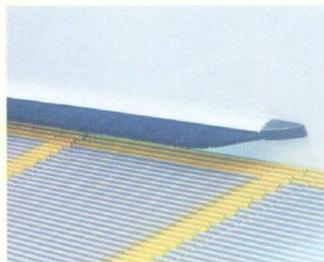
Standard	FES	FEH-10/FEH-20	FET/FEF/FEW
Drive-Chain Contact		●	
Skirting Contacts	●	●	
Handrail Entry Contacts	●	●	●
Step/Pallet chains contacts	●	●	●
Step/Pallet sag contacts	●	●	●
Phase Monitor	●	●	●
Motor Overload	●	●	●
Motor Overheat	●	●	●
Comb Contacts	●	●	●
Step Gap Illumination	●	●	
Maintenance locking device	●	●	●
Alarm buzzer	●	●	●
Speed Monitor with Anti-reverse Function	●	●	●
Step/Pallet anti-static brush	●	●	●
Comb light			●
Emergency stop buttons	●	●	●
Step/Pallet reversing fences	●	●	●
Handrail anti-static roller	●	●	●
Service brake release contact	●	●	●
Safety Brake on Main shaft		●	
Traffic Light	●	●	●



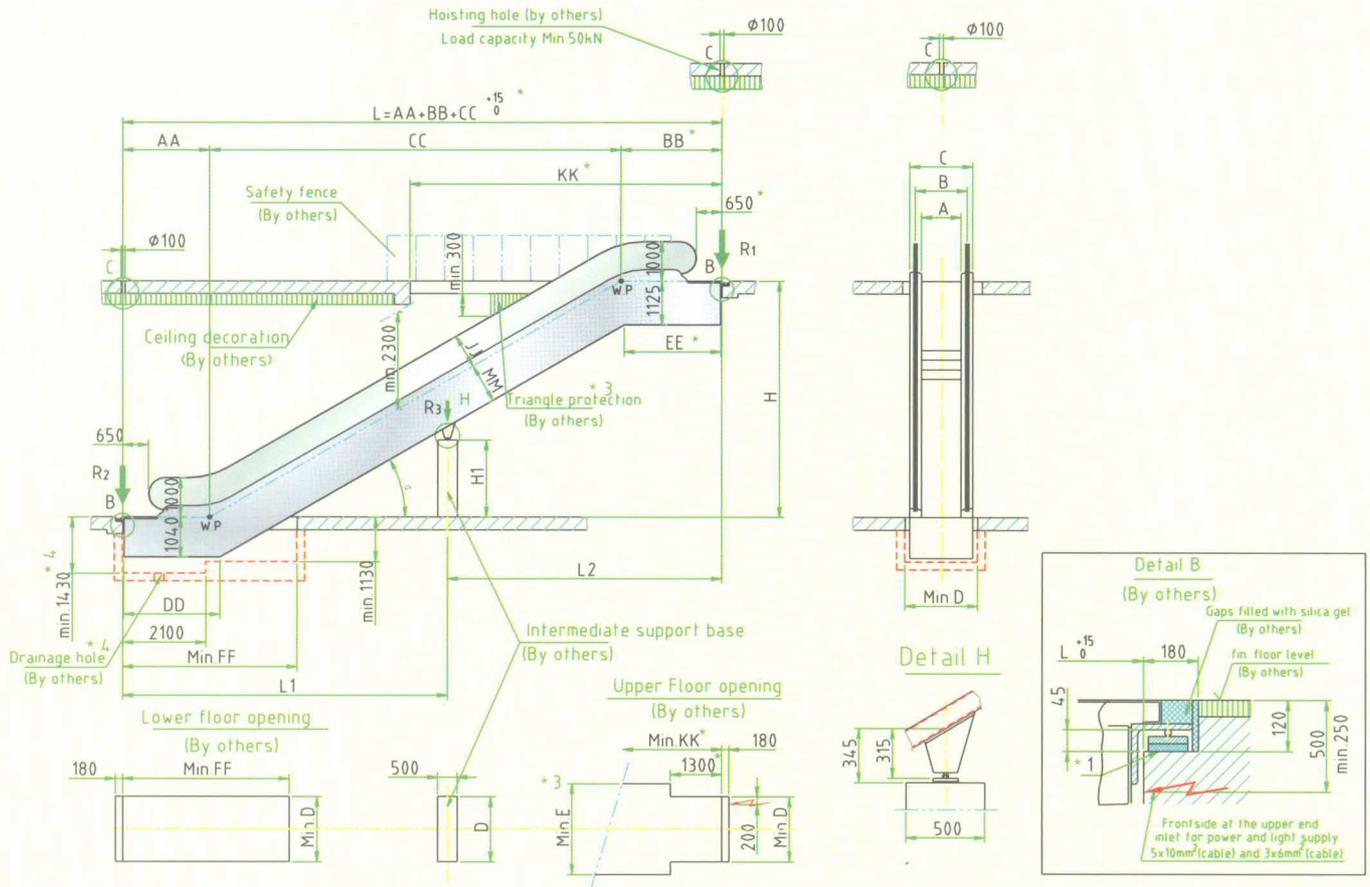
Monitoring System (Optional)

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Optional	FES	FEH-10/FEH-20	FET/FEF/FEW
Handrail Colour	●	●	●
Step /pallet colour	●	●	●
Step Safety demarcation	●	●	
Step Upthrust Contact	●	●	
Dry contact	●	●	●
Handrail Speed Monitor	●	●	●
Automatic Lubrication System	●	●	●
Step Missing Device	●	●	●
Skirting Brush	●	●	●
Skirting Lighting(LED or tube light)	●	●	●
VF Energy Saving System	●	●	●
Auto-Start	●	●	●
Comb Heating System	●	●	●
Truss Heating System	●	●	●
Controller lift device	●	●	●
Outside Cladding	●	●	●
Comb light	●	●	
Safety Brake on Main shaft	●		●



FES Layout for Commercial Escalator



Type	a	AA	BB	CC	DD	EE	FF	JJ	KK	MM
FES-302	30°	2195	2564	H×1.732	2230	2650	4200	870	7900	960
FES-352	35°	2229	2648	H×1.428	2385	2602	4000	850	7100	980
FES-303	30°	2595	2964	H×1.732	2630	3050	4600	870	8300	960
FES-353	35°	2629	3048	H×1.428	2785	3002	4400	850	7500	980

For slim-vertical balustrade

A	B	C	D	E
600	800	1000		
837	1037	1237		
1145	1345	1545		
1200	1400	1600		
1850	2050	2250		

A	Reaction Force (KN)	
	W/o intermediate support	With one intermediate support
600	$R1 = 3.35 \times L + 15.5$	$R1 = 3.35 \times L2 + 11.5$
	$R2 = 3.35 \times L + 10$	$R2 = 3.35 \times L1 + 4.5$
		$R3 = 3.35 \times L + 3.5$
800	$R1 = 3.7 \times L + 10$	$R1 = 3.7 \times L2 + 12$
	$R2 = 3.7 \times L + 11$	$R2 = 3.7 \times L1 + 4.7$
		$R3 = 3.7 \times L + 4$
1000	$R1 = 4.15 \times L + 18.5$	$R1 = 4.15 \times L2 + 12.5$
	$R2 = 4.15 \times L + 11.5$	$R2 = 4.15 \times L1 + 4.9$
		$R3 = 4.15 \times L + 4.5$

Note: 1. L, L1, L2 is in meter

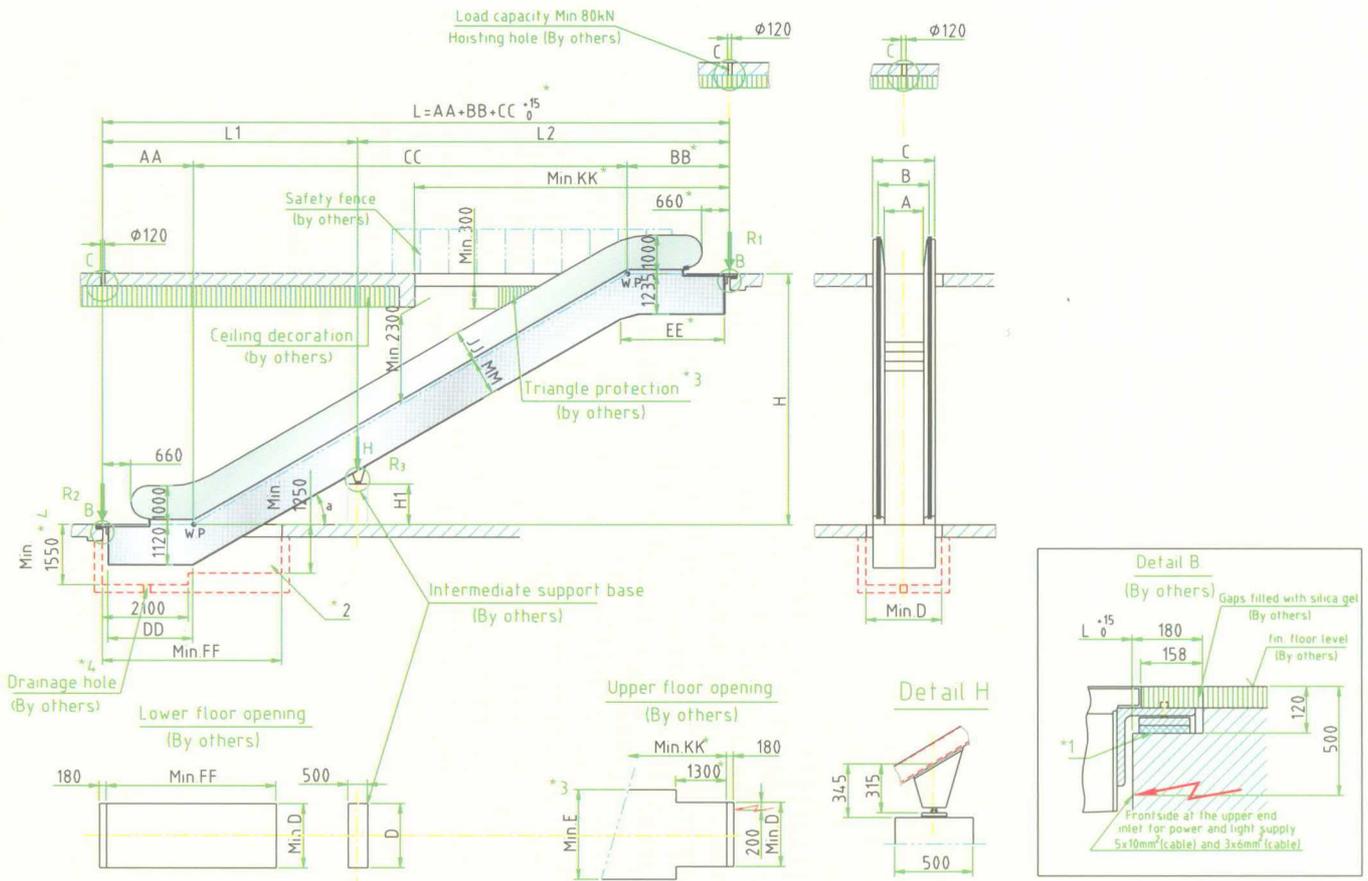
Notes:

1. Definitions:

- Mark *1: Supports need to be in true level
 - Mark *2: If there is pit, pit need to be water proof and smooth
 - Mark *3: If dimension E can't be guaranteed, a guard acc. EN115 must be provided as shown (by others)
 - Mark *4: only for outdoor installation.
- According to EN115, the entrance of both landing must have enough area to facilitate the traffic flow
 - Dimension with mark * should be extended 500mm in case 600mm step or double drive or in case VVVF.
 - Intermediate support is reinforced in case of horizontal over 15m please contact us.
 - All dimension refer to finished dimension is in mm

FEH-10 Layout for Public Service Escalator

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Type	a	Upper radius	AA	BB	CC	DD	EE	FF	JJ	MM	KK
FEH303	30°	1500	2611	2978	$H \times 1.732$	2770	3215	4930	870	1060	8400
FEH304	30°	1500	3011	3378	$H \times 1.732$	3170	3615	5330	870	1060	8800
FEH303	30°	2700	2843	3263	$H \times 1.732$	3000	3500	5160	870	1060	8800
FEH304	30°	2700	3243	3643	$H \times 1.732$	3400	3900	5560	870	1060	9220

For slim-vertical balustrade

For inclined balustrade

	A	600	800	1000
A	600	800	1000	
B	837	1037	1237	
C	1145	1345	1545	
D	1200	1400	1600	
E	1850	2050	2250	

	A	600	800	1000
A	600	800	1000	
B	870	1070	1270	
C	1145	1345	1545	
D	1200	1400	1600	
E	1850	2050	2250	

A	Reaction Force (KN)	
	W/o intermediate support	With one intermediate support
600	$R1 = 4.05 \times L + 16.3$	$R1 = 4.05 \times L2 + 14$
	$R2 = 4.05 \times L + 8.5$	$R2 = 4.05 \times L1 + 7$
800	$R1 = 4.45 \times L + 17$	$R1 = 4.45 \times L2 + 16$
	$R2 = 4.45 \times L + 9.5$	$R2 = 4.45 \times L1 + 7.5$
		$R3 = 4.7 \times L + 11$
1000	$R1 = 4.95 \times L + 19.5$	$R1 = 4.95 \times L2 + 17.2$
	$R2 = 4.95 \times L + 10.5$	$R2 = 4.95 \times L1 + 8.3$
		$R3 = 5.2 \times L + 11.3$

Note: 1. L, L1 and L2 is in meter
2. L1 and L2 do not exceed 15m.

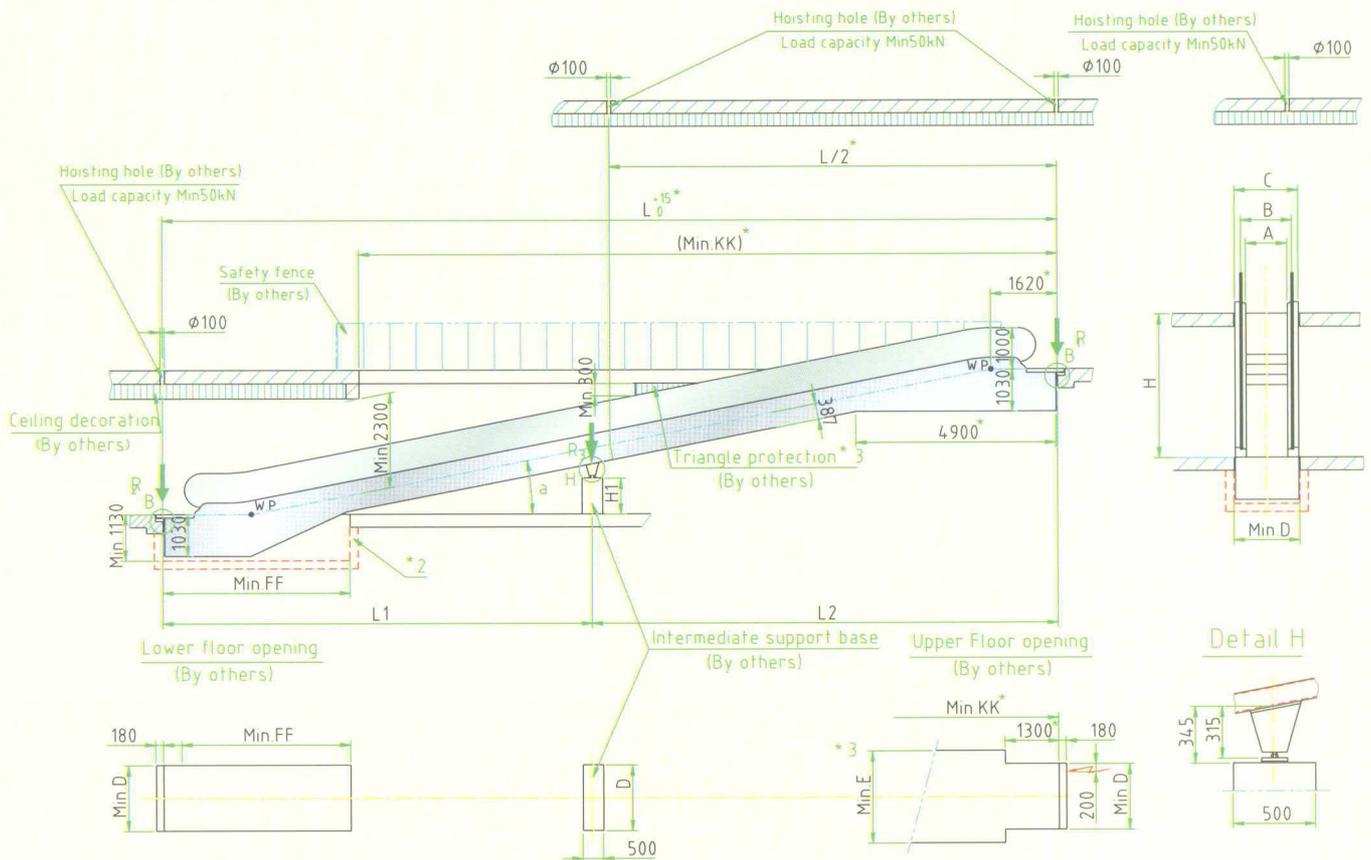
Notes:

1. Definitions:

- Mark *1: Supports need to be in true level
 - Mark *2: If there is pit, pit need to be water proof and smooth
 - Mark *3: If dimension E can't be guaranteed, a guard acc. EN115 must be provided as shown (by others)
 - Mark *4: only for outdoor installation.
- According to EN115, the entrance of both landing must have enough area to facilitate the traffic flow
 - Dimension with mark * should be extended 500mm in case 600mm step or double drive or in case VVVF.
 - Intermediate support is reinforced in case of horizontal over 15m please contact us.
 - All dimension refer to finished dimension is in mm

FEF Layout for Passenger Conveyor

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A	800	1000
B	1037	1237
C	1345	1545
D	1400	1600
E	2050	2250

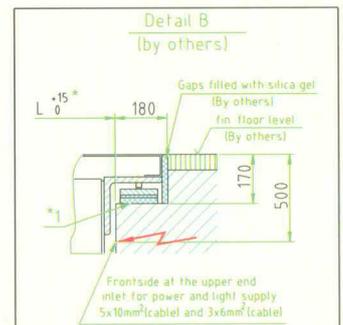
Type	A	L	KK	FF
FEF10	10°	$H \times 5.671 + 3945$	17700	4750
FEF11	11°	$H \times 5.145 + 3755$	16700	4550
FEF12	12°	$H \times 4.705 + 3595$	15800	4500

A	Reaction Force (KN)
800	$R1 = 3.45 \times L2 + 12.5$
	$2 = 3.45 \times L1 + 4$
	$R3 = 4 \times L + 14.5$
1000	$R1 = 3.85 \times L2 + 14$
	$R2 = 3.85 \times L1 + 4.5$
	$R3 = 4.5 \times L + 15.5$

Note: 1. L, L1 and L2 is in meter
2. L1 and L2 do not exceed 10m
3. Applicable in case of one intermediate support, or else, contact us

Notes:

- Definitions
 - ① Mark *1: Supports need to be in true level
 - ② Mark *2: If there is pit, pit need to be water proof and smooth
 - ③ Mark *3: If dimension E can't be guaranteed, a guard acc.EN115 must be provided as shown (by others)
- According to EN115, the entrance of both landing must have enough area to facilitate the traffic flow
- All dimension refer to finished dimension is in mm
- The intermediate support base can be made by concrete or metallic structure (by others)
- Dimensions with mark * should be extended 500mm in case double drive or VVVF.



Project

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Chennai train station, India



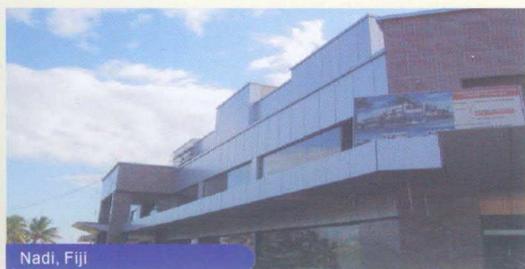
Carrefour Wuhan, China



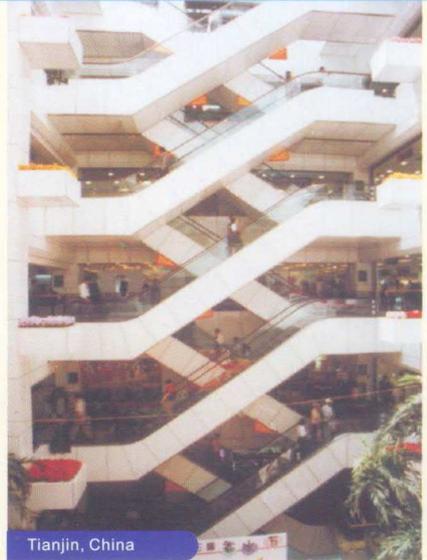
Moscow Shopping Center, Russia



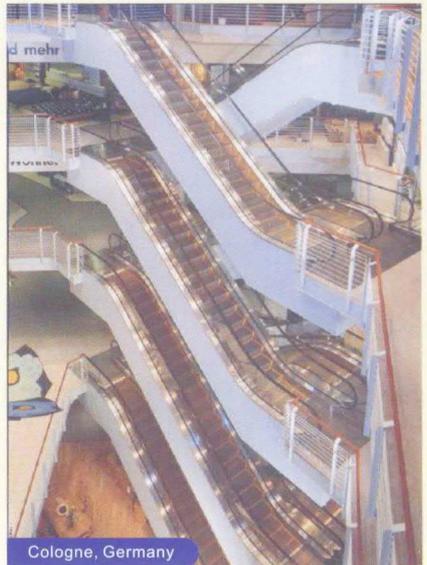
Phnom Penh, Cambodia



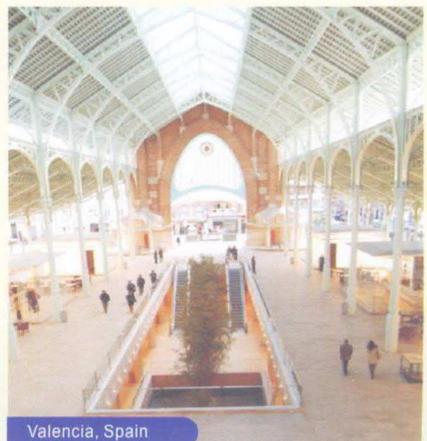
Nadi, Fiji



Tianjin, China



Cologne, Germany



Valencia, Spain