

SJEC

Escalator Passenger Conveyor

LIFTRONIC

SUZHOU JIANGNAN JIAJIE ELEVATOR GROUP CO.,LTD.



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



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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

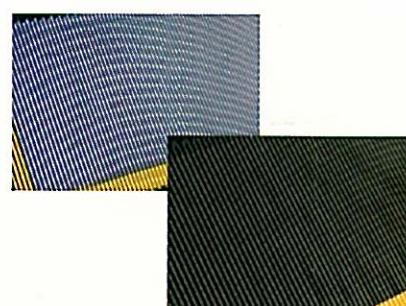
Type	Standard	Optional
Balustrade design	Vertical safety glass (10mm safety tempered glass)	
Balustrade profile	Hairline ST/ST	
Handrail	Black	Other colors
Deckings	Hairline ST/ST	
Skirting panel	Hairline ST/ST	
Step	Aluminum alloy, painted with silver gray.	Black color or ST/ST
Landing plate	Etched 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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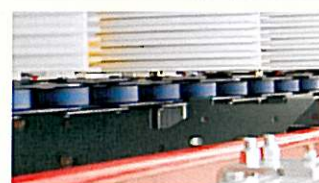
FEH-10/FEH-20 Escalator

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

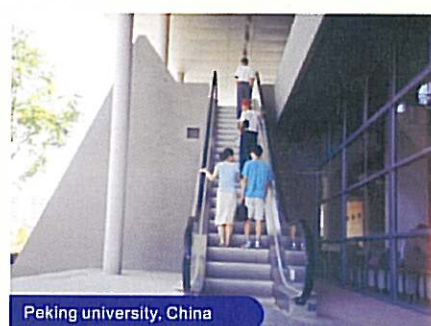
Type	FEH-10	FEH-20
Inclination	30° / 35°	30°
Step width(mm)	600/800/1000	600/800/1000
Horizontal step run (mm)	800/1200/1600	1200/1600
Speed (m/s)	0.5/0.65	0.5/0.65
Power supply	AC 3 phase. 50Hz/60Hz	AC 3 phase. 50Hz/60Hz
Lighting supply	AC single phase. 50Hz/60Hz	AC single phase. 50Hz/60Hz
Installation 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 demarcation
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



Xiamen, China



Peking university, China



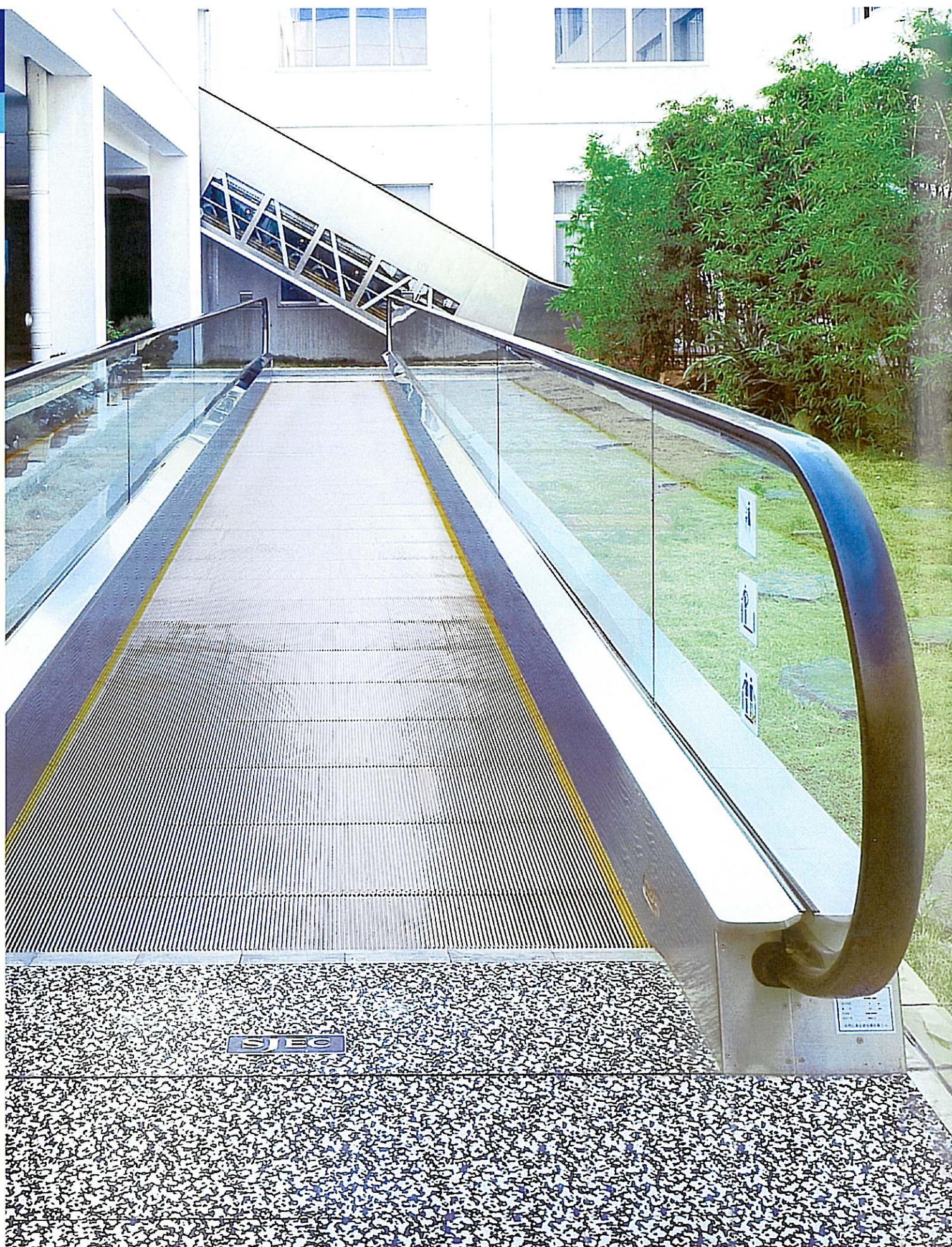
Chennai train station, India



Sydney, Australia



Cologne subway, Germany



Passenger Conveyor

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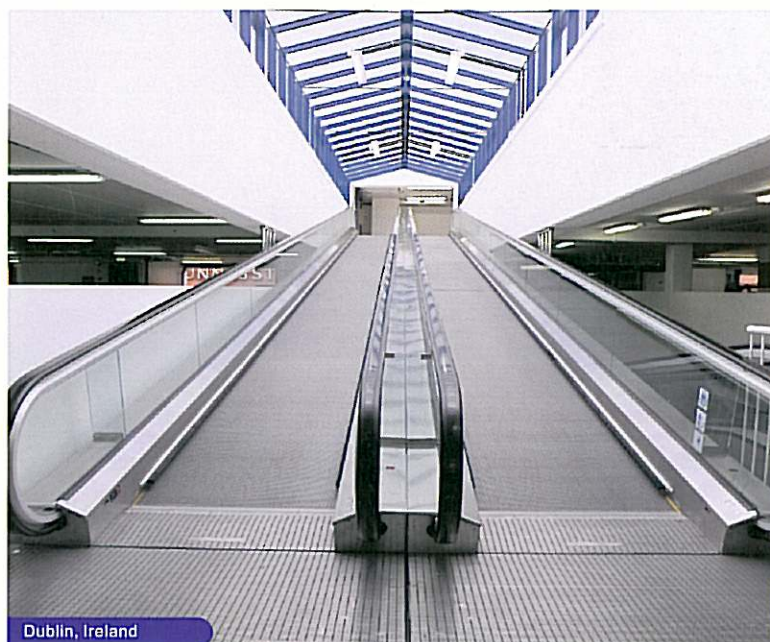
10

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

Specs	Moving walks		
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



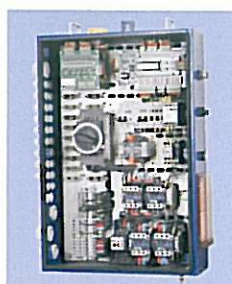
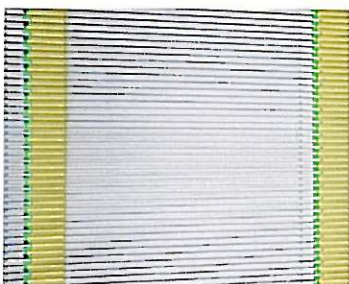
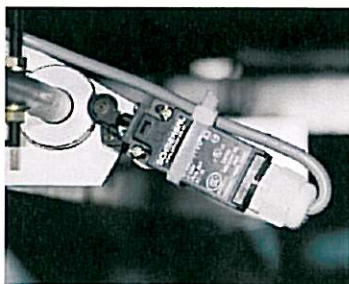
Type	Standard	Optional
Balustrade design	Vertical safety glass(10mm safety tempered glass)	Inclined stainless steel(2mm) for FEW
Balustrade profile	Hairline stainless steel	
Handrail	Black	Other colors
Deckings	Hairline stainless steel	Hairline stainless steel
Skirting panel	Hairline stainless steel	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	●	●	●

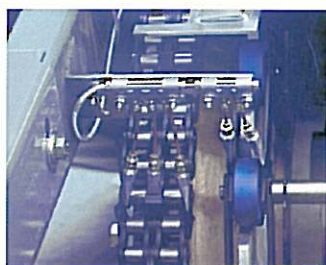
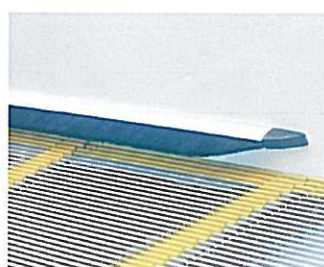


Monitoring System (Optional)

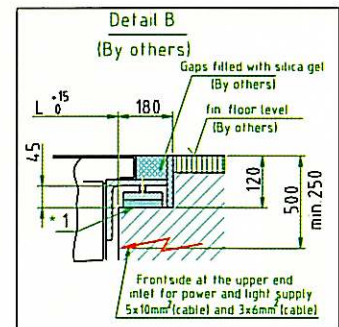
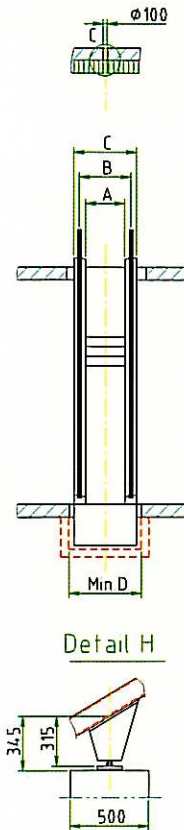
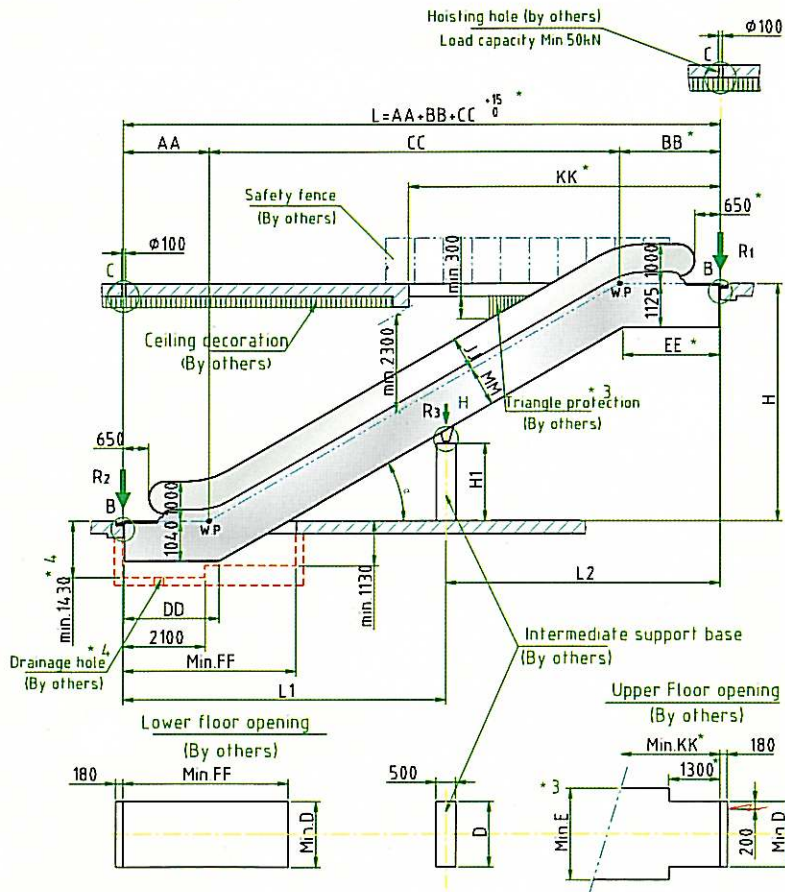
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Optional	FES	FEH-10/FEH-20	FET/FEF/FEW
Handrail Colour	•	•	•
Step /pallet colour	•	•	•
Step Safety demarcation	•	•	•
Step Upthrust Contact	•	•	•
Dry contact	•	•	•
Handrail Speed Monitor	•	•	•
Automatic Lubrication System	•	•	•
Step Missing Device	•	•	•
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	600	800	1000
B	837	1037	1237
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=3.35×L+15.5	R1=3.35×L2+11.5
	R2=3.35×L+10	R2=3.35×L1+4.5
800	R1=3.7×L+10	R1=3.7×L2+12
	R2=3.7×L+11	R2=3.7×L1+4.7
1000	R1=4.15×L+18.5	R1=4.15×L2+12.5
	R2=4.15×L+11.5	R2=4.15×L1+4.9
Note: 1.L, L1, L2 is in meter		

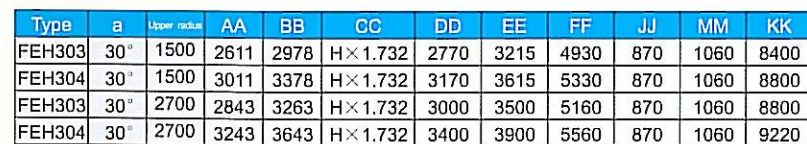
Notes:

1.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)
- ④ Mark *4: only for outdoor installation.
2. According to EN115, the entrance of both landing must have enough area to facilitate the traffic flow
3. Dimension with mark * should be extended 500mm in case 600mm step or double drive or in case VVVF.
4. Intermediate support is reinforced in case of horizontal over 15m please contact us.
5. All dimension refer to finished dimension is in mm

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For slim-vertical balustrade

For inclined balustrade

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

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

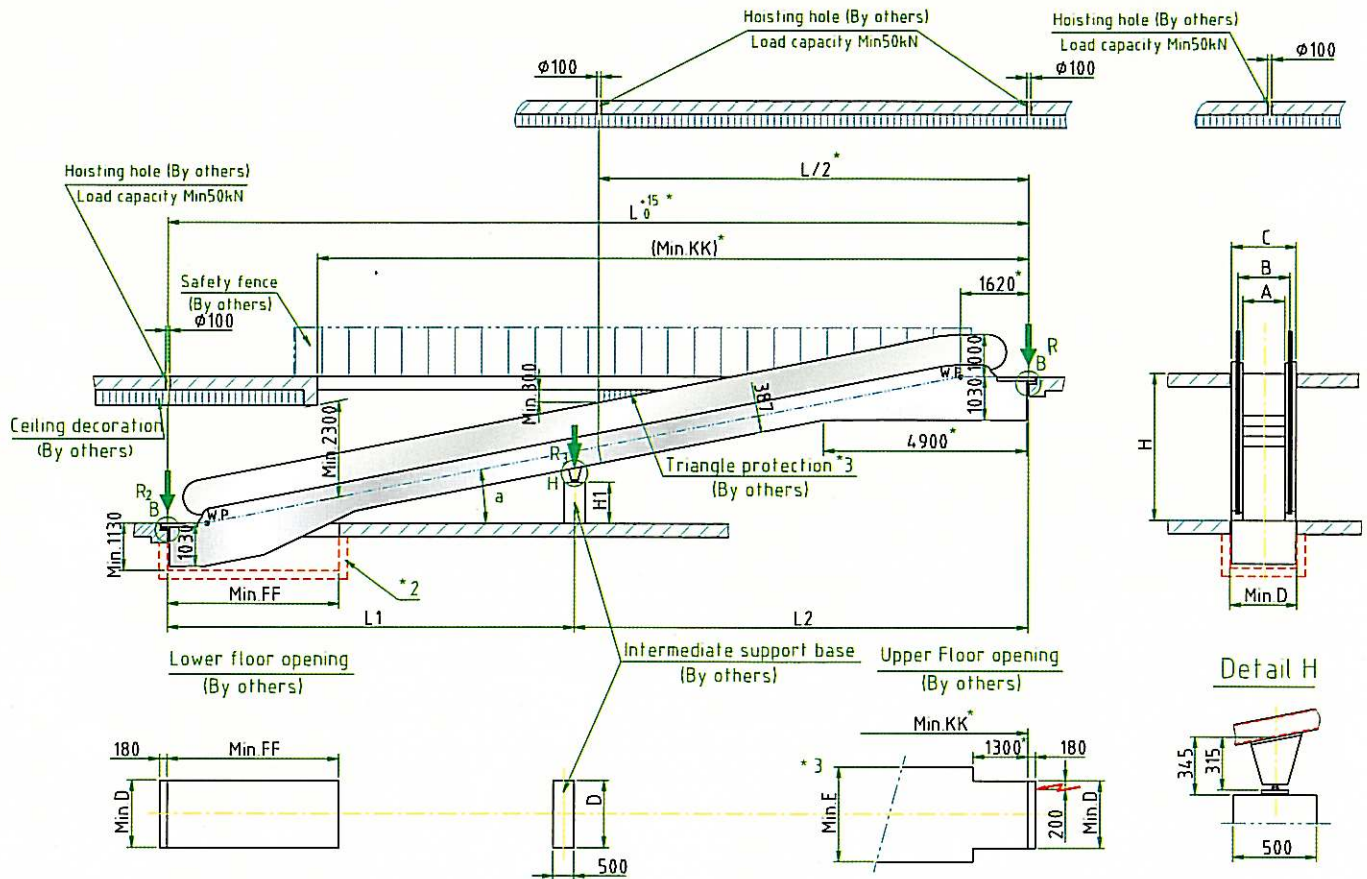
Notes:

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- ① Mark *1: Supports need to be in true level
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 - ④ Mark *4: only for outdoor installtion.
2. According to EN115, the entrance of both landing must have enough area to facilitate the traffic flow
 3. Dimension with mark * should be extended 500mm in case 600mm step or double drive or in case VVVF.
 4. Intermediate support is reinforced in case of horizontal over 15m please contact us.
 5. All dimension refer to finished dimension is in mm

FET Layout for Passenger Conveyor

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

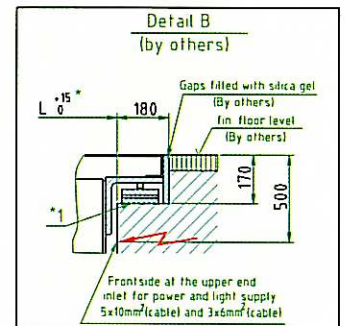
Type	A	L	KK	FF
FET10	10"	$H \times 5.671 + 2650$	17700	4250
FET11	11"	$H \times 5.145 + 2555$	16700	4100
FET12	12"	$H \times 4.705 + 2475$	15800	4000

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:

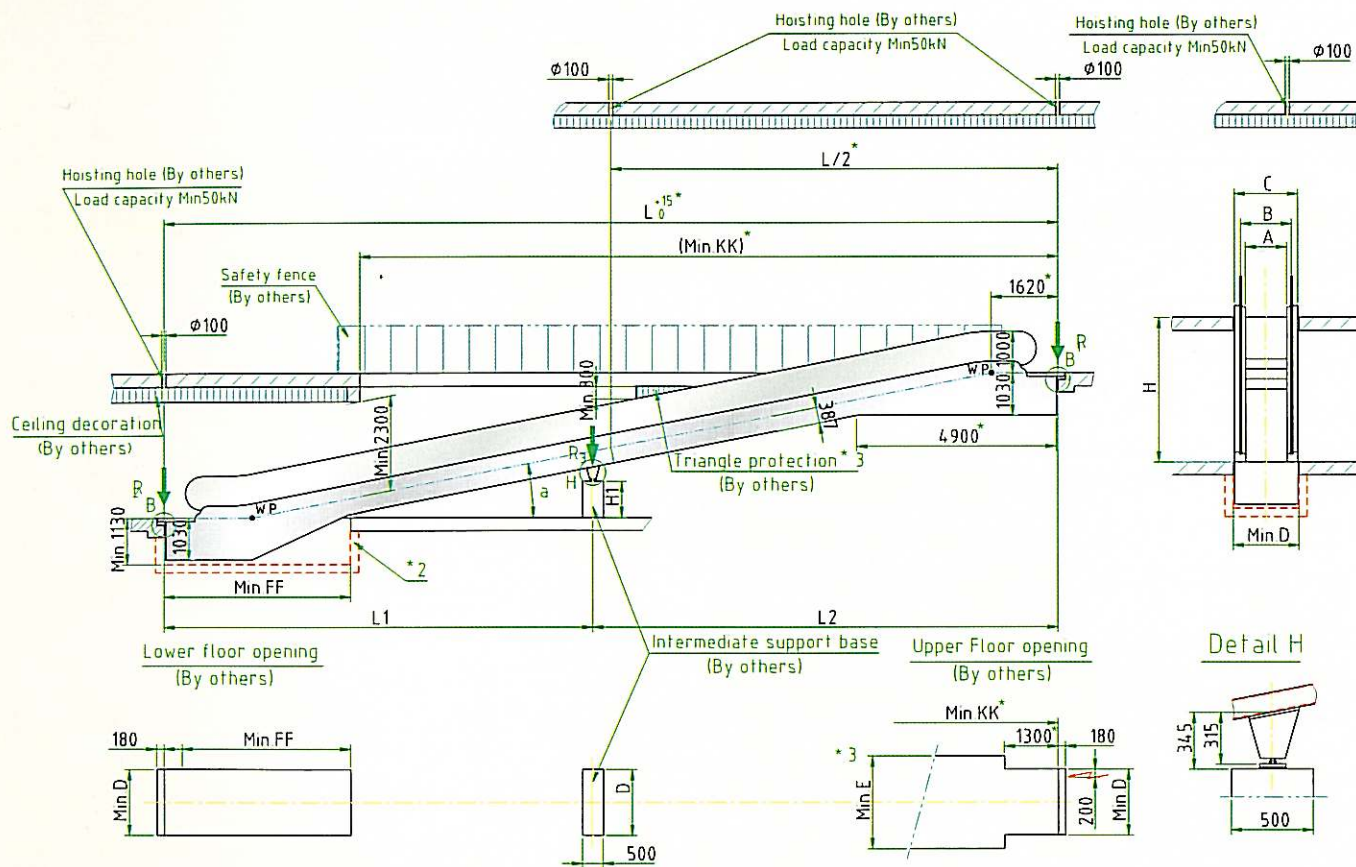
- Definitions
 - Mark *1: Supports need to be in true level
 - Mark *2: If there is pit, pit need to be water proof and smooth
 - Mark *3: If dimension E can't be guaranteed, a guard acc. EN115 must be provided as shown (by others)
- According to EN115, the entrance of both landing must have enough area 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.



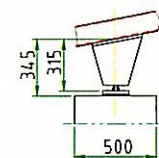
FEF Layout for Passenger Conveyor

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Detail H



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

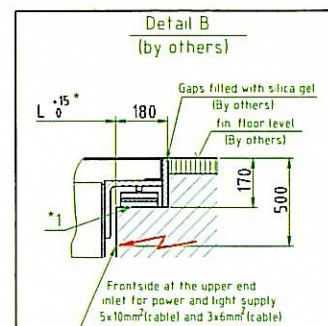
Type	A	L	KK	FF
FEF10	10°	H×5.671+3945	17700	4750
FEF11	11°	H×5.145+3755	16700	4550
FEF12	12°	H×4.705+3595	15800	4500

A	Reaction Force (KN)
800	R1=3.45×L2+12.5 R2=3.45×L1+4 R3=4×L+14.5
1000	R1=3.85×L2+14 R2=3.85×L1+4.5 R3=4.5×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

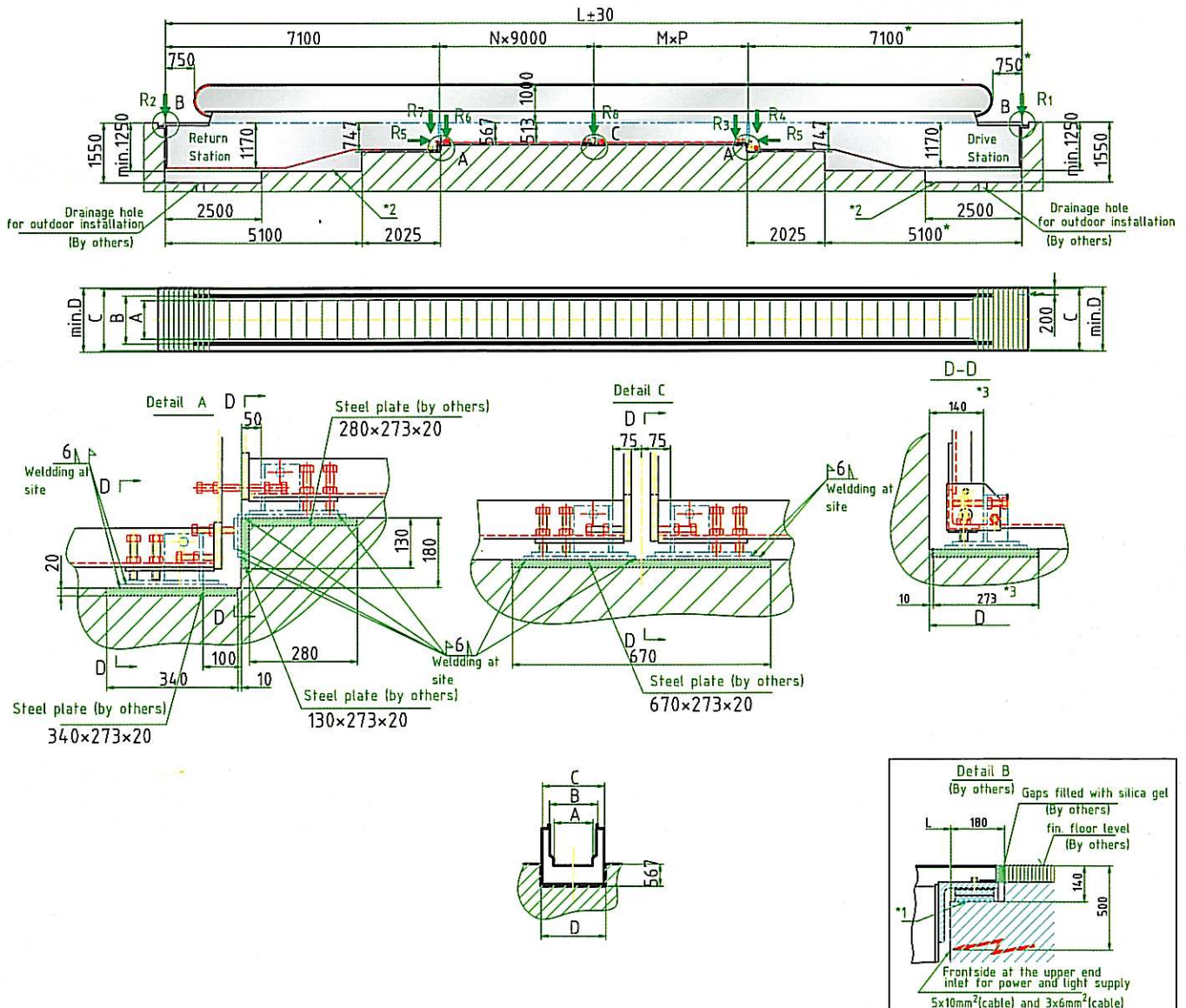
Notes:

- Definitions
 - 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)
- 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.



FEW layout for Passenger Conveyor

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Inclined balustrade

A	1000	1200	1400
Reaction Force			
R1	32k	39k	46k
R2	30k	37k	44k
R3	55k	63k	71k
R4	23k	26k	29k
R5	35k	40k	45k
R6	54k	62k	70k
R7	22k	25k	28k
R8	84k	97k	110k

A	1000	1200	1400
B	1310	1510	1710
C	1595	1795	1995
D	1670	1870	2070

Vertical balustrade

A	1000	1200	1400
B	1237	1437	1637
C	1595	1795	1995
D	1670	1870	2070

Note:

1. Mark:

- 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 D is changed, the dimension marked should be adjusted

2. According to EN115, the entrance of both landing must have enough area to facilitate the traffic flow

3. Dimensions with mark* should be extended 500mm in case VVVF or double drive

4. All dimension refer to finished dimension is in mm

Project

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Chennai train station, India



Carrefour Wuhan, China



Moscow Shopping Center, Russia



Phnom Penh, Cambodia



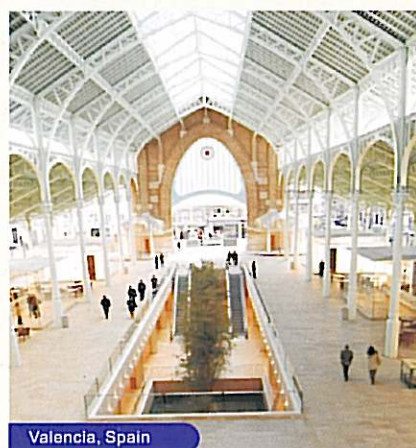
Nadi, Fiji



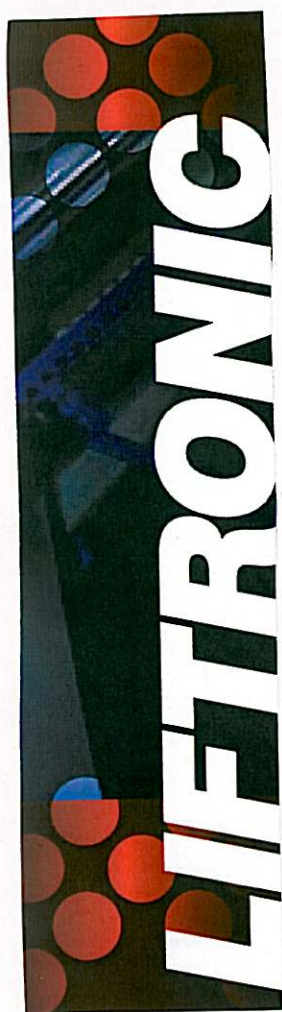
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Valencia, Spain



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