

The Best Technology & Service



TRAVIS

ESCALATOR

TABLE OF CONTENTS

4		Foreword
6		Travis Worldwide
8		Philosophy
12		Product
26		Design Layout
30		Portfolio

연혁 | History

1988.	Establishment of Saeahan Industry Co. (Beonmbak-dong, Bucheon-si) Commenced production of parts. 새한산업 창립(부천시 범박동) / 부품생산개시	2009.	Awarded Grand Prize in a field of The Mechanic Industry(sponsored by KyoungIn-Ilbo). 산업분야 기계부문 대상수상 (경인일보 주최)
1991.	Moved to larger facility (Wanggil-dong, Incheon) 사업장 확장 이전(인천시 왕길동)	2010.	Changed to Saeahan Travis Elevator Co., Ltd. (주)새한트라비스엘리베이터로 상호변경
1991.	Became an incorporated company and converted to Saeahan Industry Co., Ltd. (주)새한산업으로 법인 전환	2010.	Awarded Prize by The Korea Chamber Commerce & Industry. 대한상공회의소 회장 표창장
1995.	Established 2nd plant (Geumgok-dong, Incheon) (주)새한산업 제2공장 설립(인천시 금곡동)	2011.	Awarded Prize by Korea Ministry for Food, Agriculture, Forestry and Fisheries , a member of the National Assembly , Yoo, Jung-bok. 농림수산부장관, 국회의원 유정복 표창장
1996.	Head office has incorporated with plant and moved to another facility (Daegot-myeon, Gimpo-si). 본사 및 공장 통합이전(김포시 대곶면)	2012.	Acceptance of Korea Housing Corporation's 2nd order (114 separates), 5th order (141 separates). 한국토지주택공사 승강기 2차(114대), 5차(141대) 수주
1998.	Obtained ISO Certification (KQA) ISO 인증(KQA)	2012.	Exported Elevators to the Republic of Venezuela(OPPPE). 베네수엘라(OPPPE) 승강기 수출
2003.	Registered company as elevator installation business. (Special building contractor) 승강기 설치업(전문건설업) 등록	2012.	Exported Elevators Vladivostok's New Airport & Khabarovsk, Russia. 러시아 블라디보스톡 신공항 및 하바로스크 승강기 수출
2005.	Registered company as elevator repairing business. 승강기보수업등록	2012.	Exported Elevators to Cairo University, Egypt. 이집트 카이로대학 승강기 수출
2006.	Registered company as an electrical contractor. 전기공사업 등록	2012.	Exported Elevators to a Steel factory in Sri Lanka. 스리랑카 철강공장 승강기 수출
2007.	Enrolled company of Innovative minor business(INNO-BIZ). 기술혁신형 중소기업(INNO-BIZ) 선정	2012.	Exported Elevators to Chinggis Khaan International Airport in Mongolia. 몽골 칭기스칸 공항 아파트 승강기 수출
2008.	The first acceptance of Korea Housing Corporation among minor enterprises. 중소기업 최초 대한주택공사 승강기(지급자재) 수주	2013.	Opened Seoul branch(in Kasan-dong, Kumchun-gu). 서울사무소(금천구 가산동) 개소

Technologies for people

**“Travis sells the happiness
of future to the people.”**

트라비스는 사람들에게 미래의 행복을 판매합니다.

Vision & Value

FOREWORD



“Customer Satisfaction and Responsible Management” is are our top value.

“고객 만족과 책임 경영”은 트라비스의 최고 가치입니다.

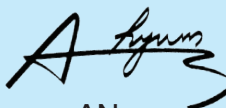
Greeting to everyone!

Travis has commenced its business as a special manufacture of elevator parts under the motto of “Customer Satisfaction and Responsible Management” in 1988. Accompanied by continuous development of new technology and customer’s trust, we have obtained ISO 9001 certification and we continue to thrive. Ensuring customer’s safety and convenience, we continue our efforts in systematic and through quality control for our speciality jobs range from designing, production, installation and right down to maintenance. Not only developing new technology and producing solid profiled products.

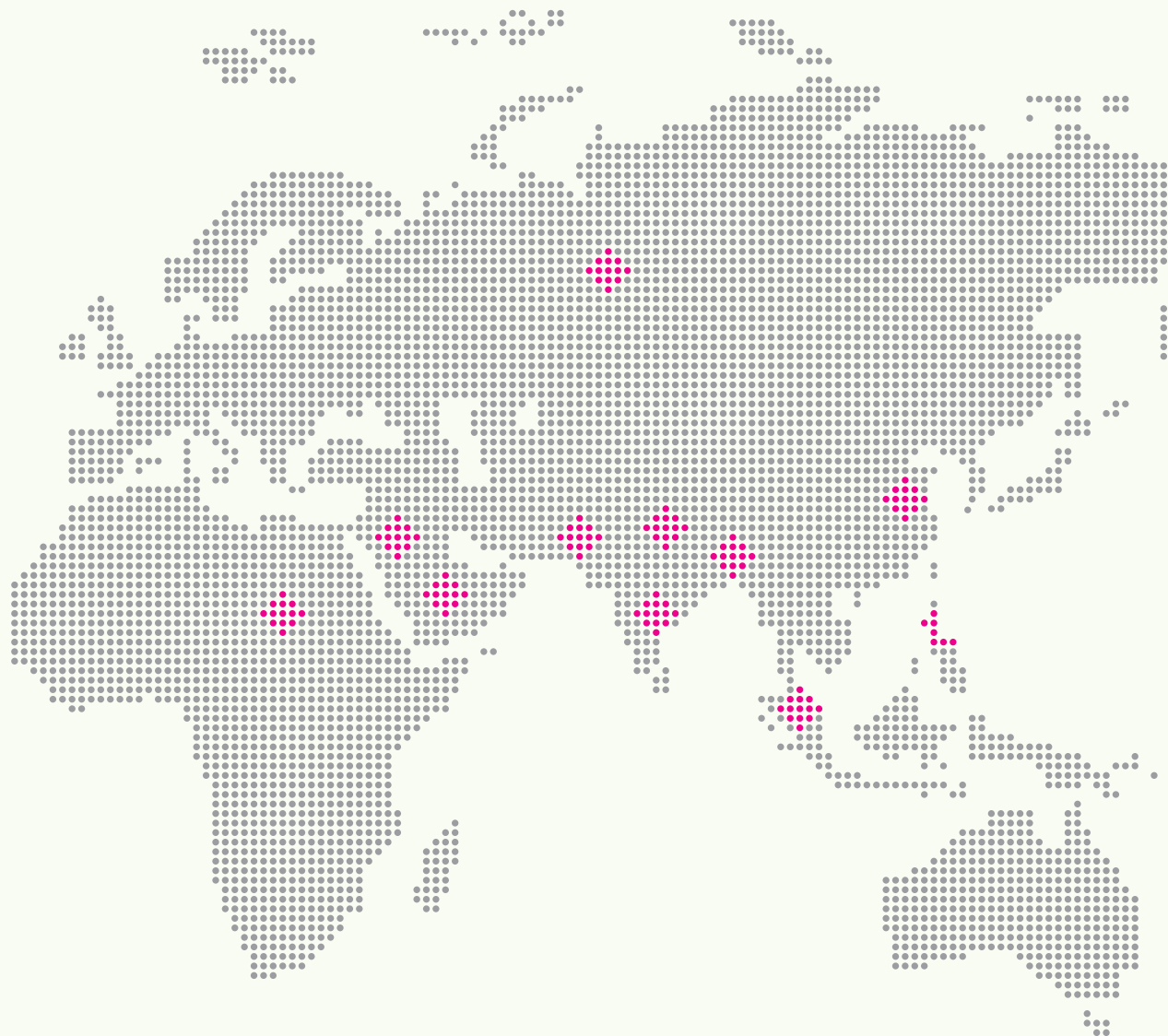
안녕하십니까?

트라비스는 1988년 고객만족, 책임 경영의 사훈 아래 승강기 부품생산 전문업체로 출범하여 끊임없는 기술 개발과 신뢰를 바탕으로 성장을 거듭하여 ISO 9001 인증 획득과 체계적이고 철저한 품질활동으로 승강기의 설계와 생산 그리고 설치, 보수에 이르기까지 고객의 안전과 편의를 위한 노력을 계속하고 있습니다. 새로운 기술개발과 견고하고 완벽한 제품생산은 물론, 믿음과 약속을 지키는 신뢰성을 구축하여 항상 고객의 요구에 부응하는 든직한 동반자가 될 수 있도록 많은 성원과 충고 부탁드립니다, 고객님의 건강과 행운을 기원합니다.

CEO
Sanghyun, AN



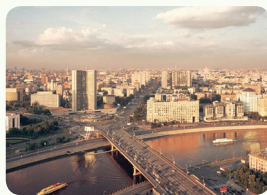
TRAVIS WORLDWIDE



Travis can make a deep depression to all of the world because we have dreamed the best Elevators in the world. Now, Travis will make the dream for global leader in the elevator field come true soon.



VENEZUELA



RUSSIA



QATAR



PHILIPPINES

“Travis pursuits success for future with global partnership.”

트라비스는 전세계적인 파트너십을 통해 미래를 향한 성공을 지향합니다.

세계를 감동시킬 좋은 제품만을 꿈꿔왔기에 세계인의 가슴에 깊은 감동을 선사할 수 있었습니다.

이제 승강기 분야의 글로벌 리더를 향한 그 꿈 또한 멀지 않아 눈앞의 현실로 바뀌놓을 것입니다.



VIETNAM



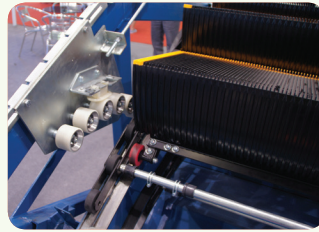
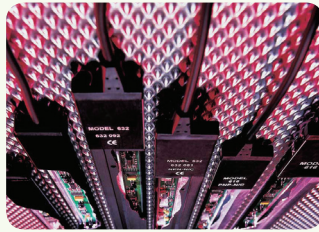
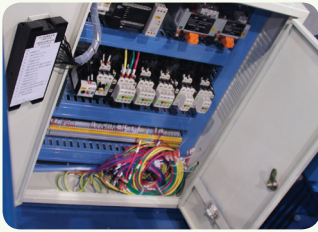
U.A.E



INDIA

“More important value than profits is our customer’s ‘Safety’.” Travis presents the global standard of safety.”

이윤보다 더 중요한 가치는 고객의 ‘안전’입니다.
트라비스가 글로벌 안전의 표준을 제시합니다.



- Installation a safety railing preventing falling
- Protection body caught from a body of revolution
- Ensuring customer safety with service for 24hours a day, 365days a year
- Installation safety equipment preventing accident caught in a door from main rope

- 에스컬레이터 추락방지 안전 난간대 설치
- 회전체로부터 신체끼임 보호
- 24시간 365일 잠들지 않는 서비스로 고객의 안전 확보
- 주로프 회전체 끼임 보호 장치 설치

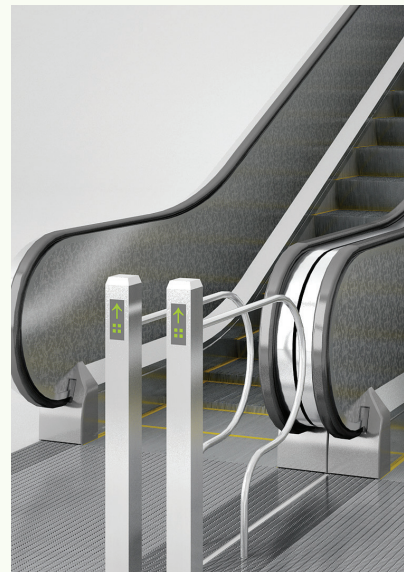
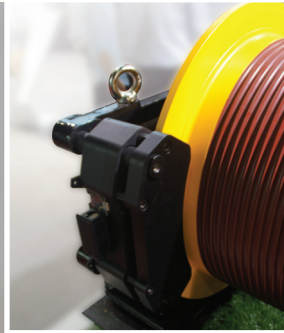
SAFETY



“The innovative design of Travice is suit for any kind of buildings.”

트라비스의 혁신적인 디자인은 어떠한 형태의 건축물에도 조화를 이룹니다.

DESIGN





- Simple and brief structure, comfortable sense of broadening
- Standard product and observation safety rules
- Neat and colorful decoration considering surroundings
- The effective rate of energy by 30%

- 심플하고 간결한 에스컬레이터 구조, 편안한 승차감
- 표준화된 품질 및 안전 가이드 준수
- 주위 환경을 고려한 산뜻하고 컬러풀한 데코레이션
- 기존대비 30% 절감된 에너지효율

“We produce more and more elegance space with scientific moving line and advanced technology”

과학적인 동선설계, 앞서가는 첨단기술로 더욱 품격있는 공간을 연출합니다.



에스컬레이터 Escalators

Travis is suit for various buildings such as hotel, department store, bank, office etc. and produce and provide escalators for International airport, facilities for subway, large scale sporting facility, and international conference place, etc..

According to increasing or decreasing among floors, it is a modular escalator that is suit for adding driving power.

트라비스는 호텔, 백화점, 은행, 오피스 등 다양한 건축물에 적합하며, 국제공항, 지하철, 대형 체육시설, 국제 회의장 등에 적용되는 에스컬레이터를 제작, 공급하고 있습니다. 층고의 증가에 따라 구동기를 추가하는 방식으로 지하철역이나 공항터미널에 설치가 적합한 모듈라 에스컬레이터입니다.

PRODUCT

Escalators & Moving Walks

무빙워크 Moving Walks

With the effective technology of energy saving, high stability, comfortableness, and simple maintenance and repairing, Travis produces and provides moving walks suitable for facilities moving by many people such as airport terminal, subway, train station, parking lot.

트라비스는 획기적인 에너지 절감기술, 높은 안정성과 편안함, 간편한 유지보수 등의 장점을 두루 갖추어 공항 터미널, 지하철 및 철도역, 주차장 등의 연계 통로와 백화점, 스포츠 경기장 등 보행이동이 많은 시설에 적합한 무빙워크를 제작, 공급하고 있습니다.

ESCALATORS



| Specifications

Rated speed (m/s)	Inclination angle(°)	Step width (mm)	Max.capacity (p/hr)	Min.rise (m/s)	Max.rise (m/s)	Flat steps
0.5	30	600	4500	3000	8000	3(6000—8000mm) 2(3000—6000mm)
		800	6755			
		1000	9000		6000	2
	35	600	4500			
		800	6755			
		1000	9000			

The escalator of comfortable and elegance design

편안하고 세련된 디자인의 에스컬레이터

트라비스 에스컬레이터는 인체공학적 설계기법과 마이크로프로세서에 의한 제어방식을 채택하였으며, 하행에서 JERK을 제거하여 승차감을 개선하였으며 현대적인 디자인이 더욱더 돋보이는 제품입니다.

The escalator of Travis has adopted design based on bioengineering and a control device by microprocessor, and on going down improved the sense of boarding by removing JERK. More and more modern design makes this product look better.

| 제품 특징 Product Features

하행방향에서 Jerk을 제거하여 탁월한 승차감 제공

1. 속도 가변에 따른 수송능력 조절기능
2. 발판의 움직임 개선과 발판 틈새 최소화로 안전강화
3. 유연한 곡선 설계로 편안함과 안정성 추구
4. EN(유럽통합규격), ASME(미국규격), JEAS(일본규격) 등 세계규격만족
5. 전력 사용 최소화

Providing the sense of boarding by removing JERK

1. The control function of conveyance ability by changing speed
2. Strengthening safety by improving movement of footfold and minimum of footfold gap
3. Pursuing comfortableness and stability by soft and curved design
4. Satisfying global standard such as EN, ASME, JEAS etc.
5. Minimum using electricity

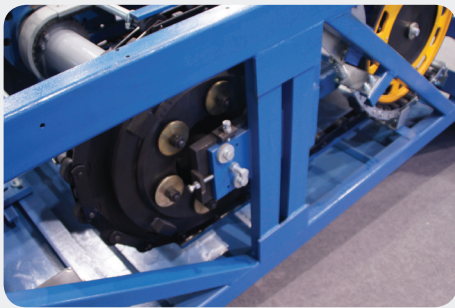


| Features

Standard features	Optional features
Balustrade : 8mm safety toughen glass	Aluminum alloy step color : Safety demarcation, Yellow
Floor plate : Aluminum alloy(Optional : Stainless steel)	synthetic resin on 3 sides
Step : Stainless steel(Optional : Aluminum alloy)	Monitor : Brake monitoring, Step missing monitoring
Handrail : Black(Optional : Red)	Handrail color : Green / Red / Gray
Balustrade : Slim, Balustrade vertical to Truss	Energy saving system : Variable-frequency operation
Comb : Yellow plastic(Optional : Aluminum alloy)	Outsid Cladding : Hairline stainless steel / sheet

ESCALATORS

The technology of Travis is that to achieve more safety and comforts in the city made by human beings to move in vertical space.



가벼운 무게, 세련되고, 부드럽고 완만한 구조

정교하게 마감되고 큰 베어링 힘을 채택한 정방향의 튜브 트러스는, 안정성과 신뢰감을 선사합니다.

Right weight, and Elegance, soft, and curved structure

Finished elaborately, Tube truss adopted big power of a bearing gives stability and trust.

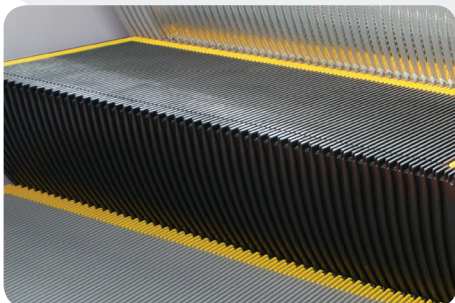


핸드레일 엔트리 박스

간결하고 패셔너블한 외관을 가진 트라비스 에스컬레이터는, 안전에 장애를 가져다 주는 이물질이 삽입되었더라도 신속하고 안전하게 고객을 보호합니다.

Handrail entry box

The escalator of Travis having simple and fashionable external protects our customers swiftly and safely though disturbance insert between an escalator.



계단 플레이트

고급 알루미늄 재질의 계단 플레이트는 미끄럼 방지 처리가 되어 있어 신속하고 안전하게 승객을 보호합니다.

Floor plate

The floor plate made of higher aluminum prevents slipping and protects our customers swiftly and safely

트라비스의 첨단 에스컬레이터는 승객의 안전과 쾌적한 빌딩문화를 만들어 나갑니다.



더블-트랙 구조의 계단

잘못 정렬된 계단은 에스컬레이터의 스커트 패널의 마찰력 발생으로 위험을 초래할 수 있으나, 트라비스의 놀라운 더블-트랙 구조의 계단 설계로 안정적인 성능을 보장합니다.

The Stair structured by double track

Though wrongly arranged stairs may make danger, Travice ensure stable capacity owing to stair design structured by double track.



안티-클램프 고무 스트립

에스컬레이터의 안쪽면을 안티-클램프 고무 스트립으로 처리하여 승객이 겪을 수 있는 우발적 사고를 미연에 방지해 줍니다.

Anti-clamp rubber strip

Processed inside by anti-clamp rubber of escalator, Travis prevents accidental accident which customers experience.



방향표시등

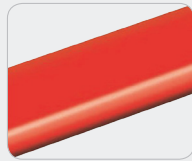
에스컬레이터의 작동과 방향을 표시해줍니다. 입구와 출구에 배치되어 있어 승객의 안전을 보장합니다.

Running direction indication

Display makes the operation and direction of the escalator. Is placed in the inlet and outlet to ensure the safety of the passengers.

ESCALATORS

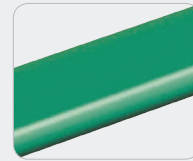
■ 핸드레일 색상 | HANDRAIL COLOR



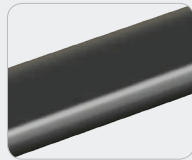
RED



LIGHT-BROWN



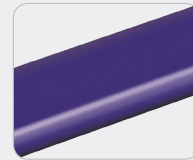
GREENISH BLUE



BLACK



ORANGE



BLUE

■ 안쪽면 판넬 에칭 패턴 | INTERIOR PANEL ETCHING PATTERN



DME-2037

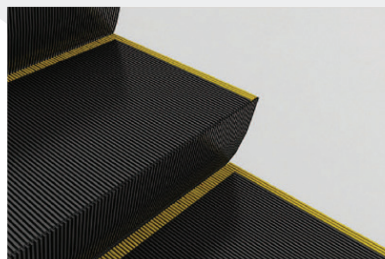


KJ-117

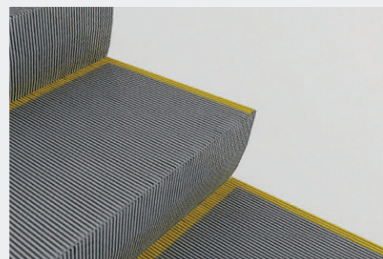


KJ-118

■ 계단 색상 | STEP COLOR



BLACK



GRAY

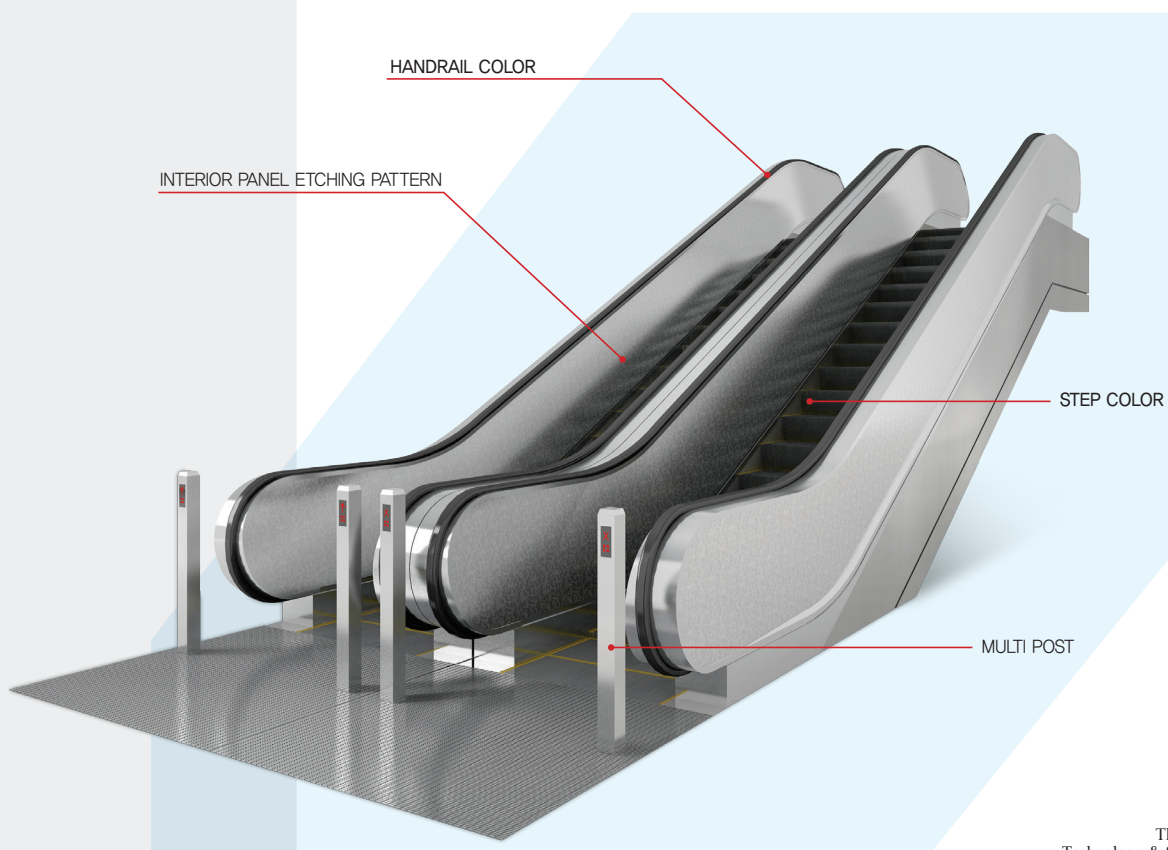
멀티 포스트 | MULTI POST



ALUMINUM



STS





BALUSTRADE GLASS COLOR

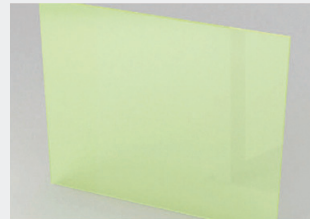
LANDING PLATE NONSLIP PATTERN

FLOOR MARKING

■ 난간 유리 색상 | BALUSTRADE GLASS COLOR

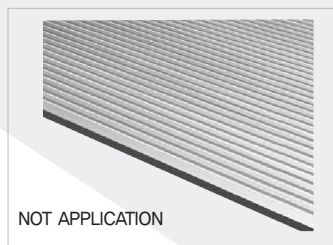


CLEAR



GREEN

■ 계단 표시 | FLOOR MARKING

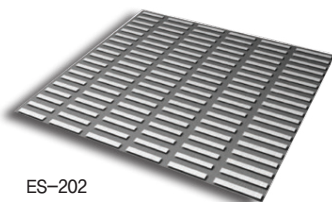


NOT APPLICATION

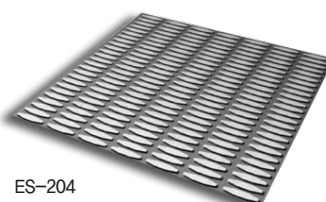


APPLICATION

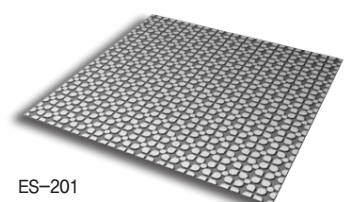
■ 랜딩플레이트 미끄럼방지 패턴 | LANDING PLATE NONSLIP PATTERN



ES-202



ES-204

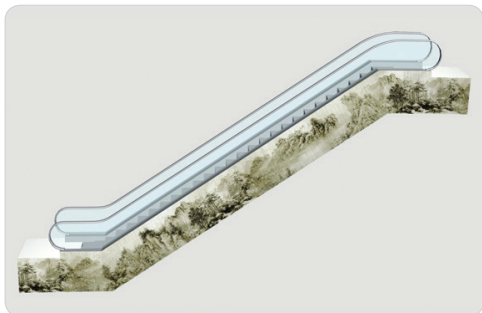


ES-201

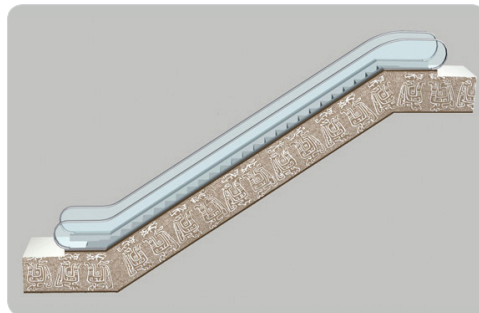
ESCALATORS

외장 마감(옵션) | ESCALATOR POLYCHORME

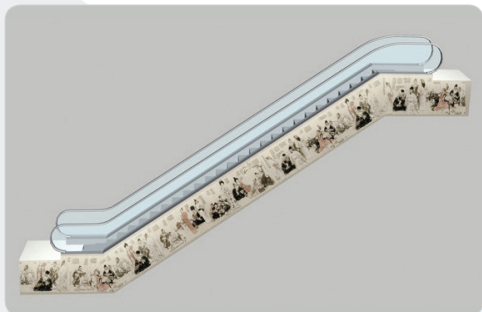
CS-FT6004



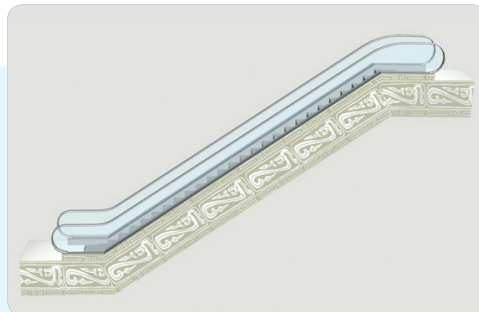
CS-FT6005



CS-FT6006



CS-FT6007



CS-FT6008



CS-FT6010



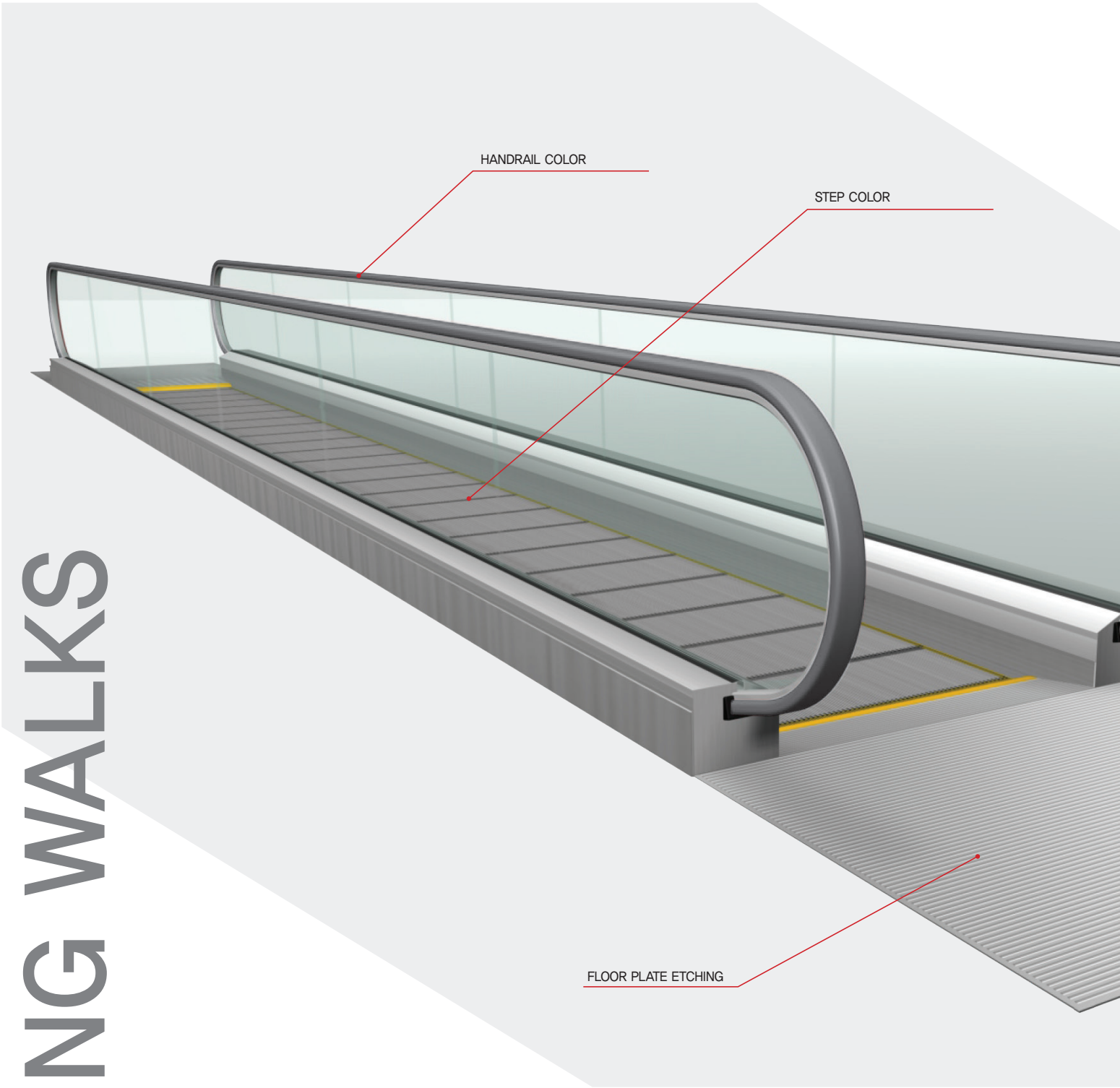
CS-FT6009



CS-FT6011



MOVING WALKS



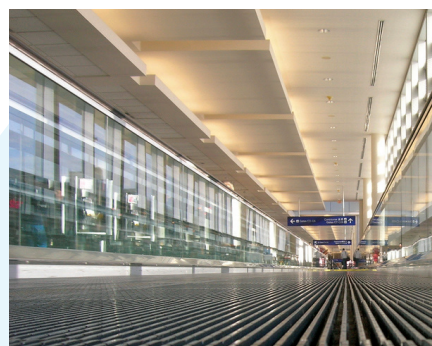
| Specifications

Rated Speed (m/s)	Inclination (°)	Step width (mm)	Max.capacity (P/hr)	Min.rise (mm)	Max.rise (mm)
0.5	10	800	6755	1500	6000
		1000	9000		
	11	800	6755		
		1000	9000		
	12	800	6755		
		1000	9000		

편안한 승차감과 안정성이 높은 무빙워크 -

트라비스 무빙워크는 마이크로프로세서에 의한 제어방식으로 승객의 이동을 더욱 안전하고 편하게 만듭니다. 공항터미널, 지하철 및 철도역, 주차장 등의 연계 통로와 백화점, 스포츠 경기장 등 보행이동이 많은 시설에 적합합니다.

TRAVIS movingwalk movement of passengers in a manner controlled by the microprocessor safer and easier to create. Pathway linking of the airport terminal, subway and railway stations, parking lots, and department stores, sports arenas, etc. facilities suitable for walking movement.



단계별 경사도, 사용자화 가능한 선택 옵션

0도의 무빙워크 경사도는 공항 및 지하철에 적합하고, 10~12도의 경사도는 쇼핑몰, 슈퍼마켓 등에 적합합니다.

Multiple gradient, customized selections

The gradient of 0° is suitable for airport, subway, etc. The gradient of 10°~12° are suitable for shopping center, supermarket, etc.

FLOOR MARKING

| Standard Features

Balustrade: 8mm safety toughen glass(Option: 10mm)

Step: Stainless steel(Option: Aluminum alloy)

Handrail: Black(Option: Red)

Balustrade: Slim, Balustrade vertical to Truss

Floor plate: Aluminum alloy(Option: Stainless steel)

Comb plate: Yellow plastic(Option: Aluminum alloy)

멀티 포스트 | MULTI POST

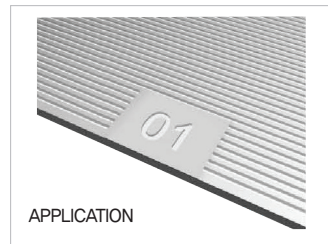
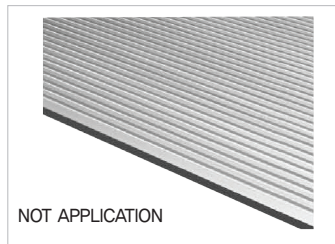


A TYPE

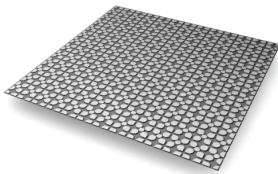


B TYPE

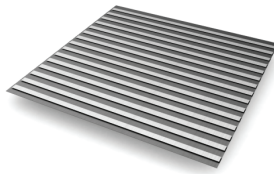
계단 표시 | FLOOR MARKING



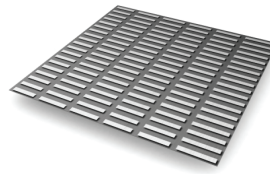
플로어 플레이트 에칭 | FLOOR PLATE ETCHING



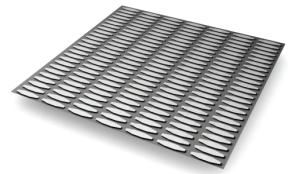
ES-201



ES-203

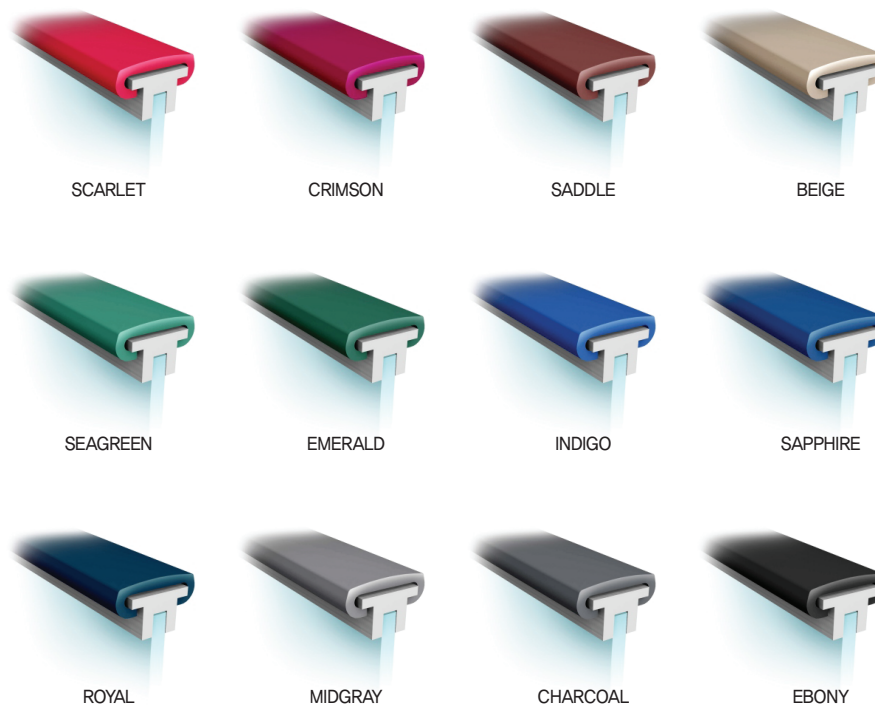


ES-202

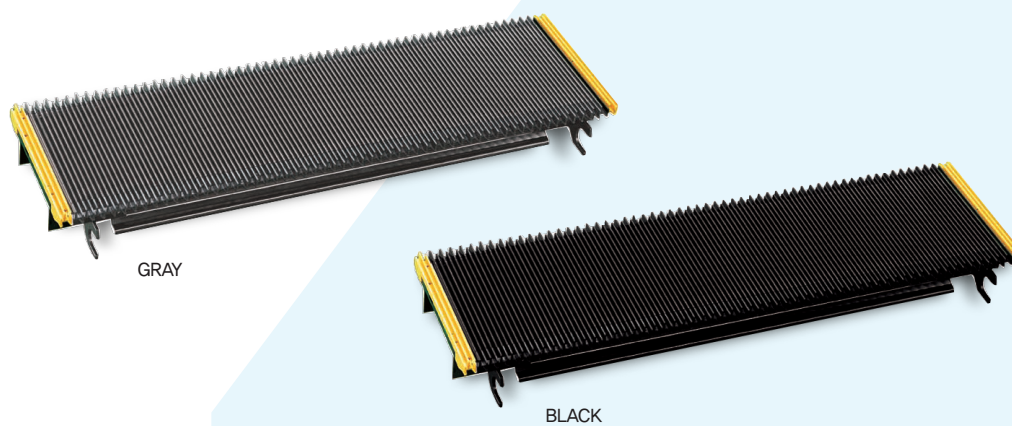


ES-204

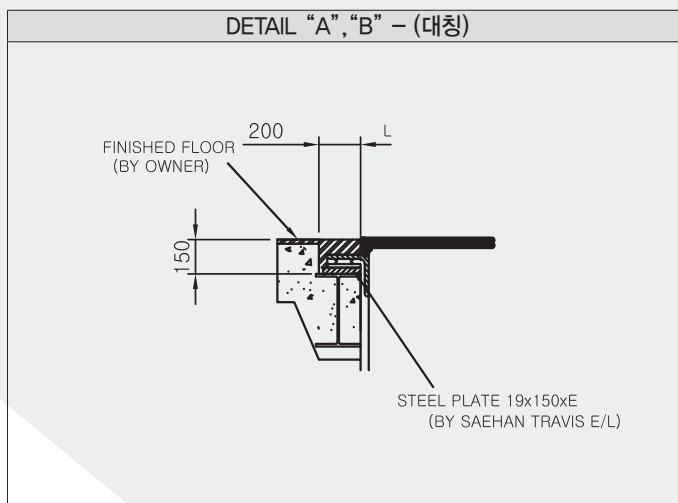
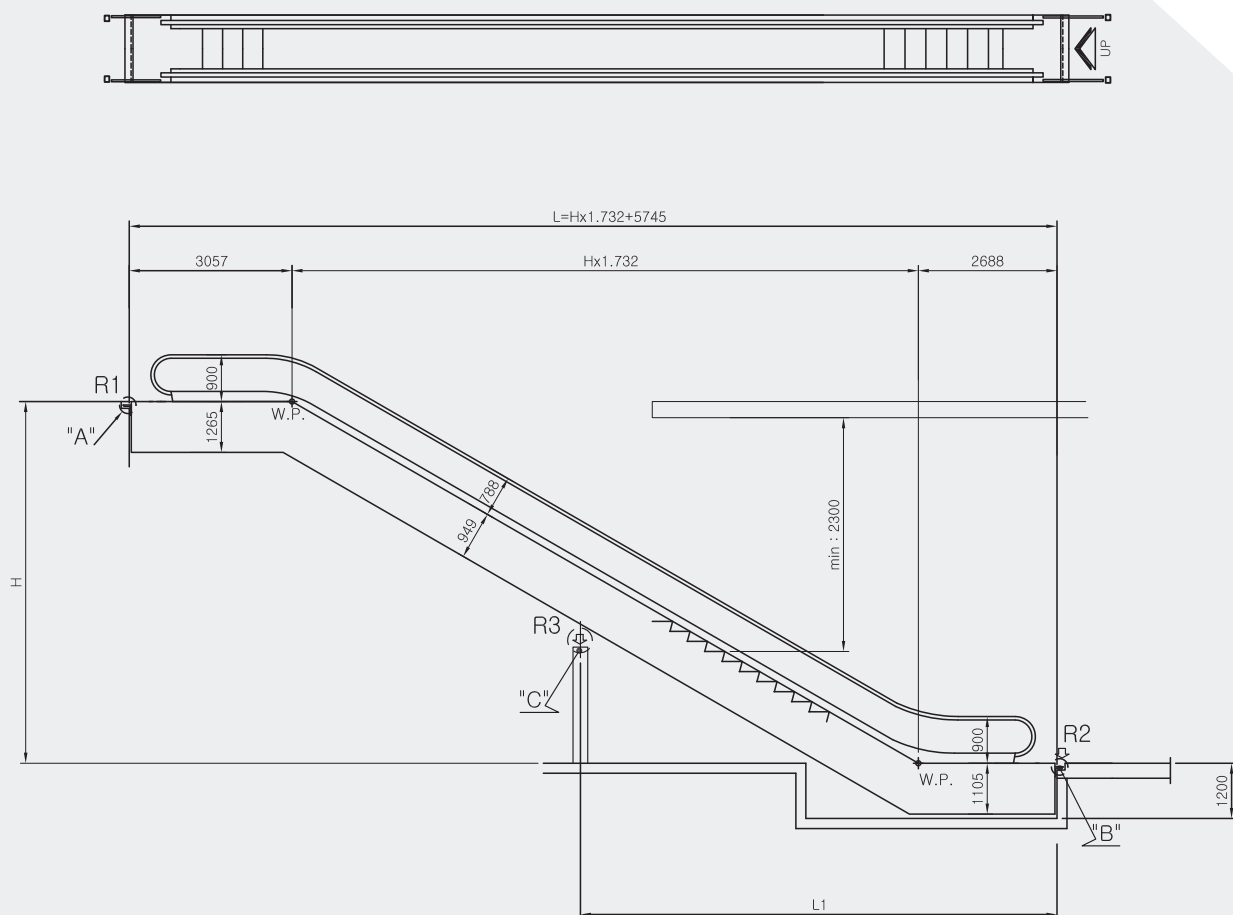
■ 핸드레일 색상 | HANDRAIL COLOR



■ 계단 색상 | STEP COLOR



LAYOUT OF ESCALATOR



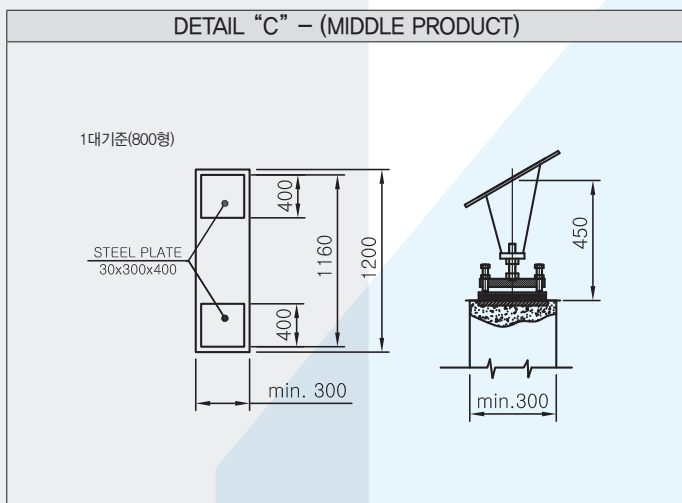
The work that customer and contractor have to do

1. This drawing is fit for the products which rise H/U+22646m, the permitted tolerance is $-15\text{mm} \sim +15\text{mm}$.
2. When D, the horizontal span is more than 15m, it needs adding a middle support with a location in the middle basically, and when it is more than 30m, it needs adding two middle supports with basically even location.
3. Before installed, all holes have to be enveloped with the safety guard which height is not less than 1.2m and guarantee the strength is enough.
4. There should be anti water inside pit. The location of splash should be at the basement.
5. According to the requirement of the technology data, the power supply with the safety switch is setting at the machine room. The fluctuation of voltage can not over than $\pm 7\%$. The N wire and earth wire should be separated and the ground resistance is not more than 4Ω .
6. When the distance between the central line of the handrail and any barriers is less than 500mm, the user needs to set a vertical cladding without a sharp edge at the upper part of the external cover plate, with a height of not less than 300mm.
7. If the customer have any special request, should contract after being agreed by the company technology.

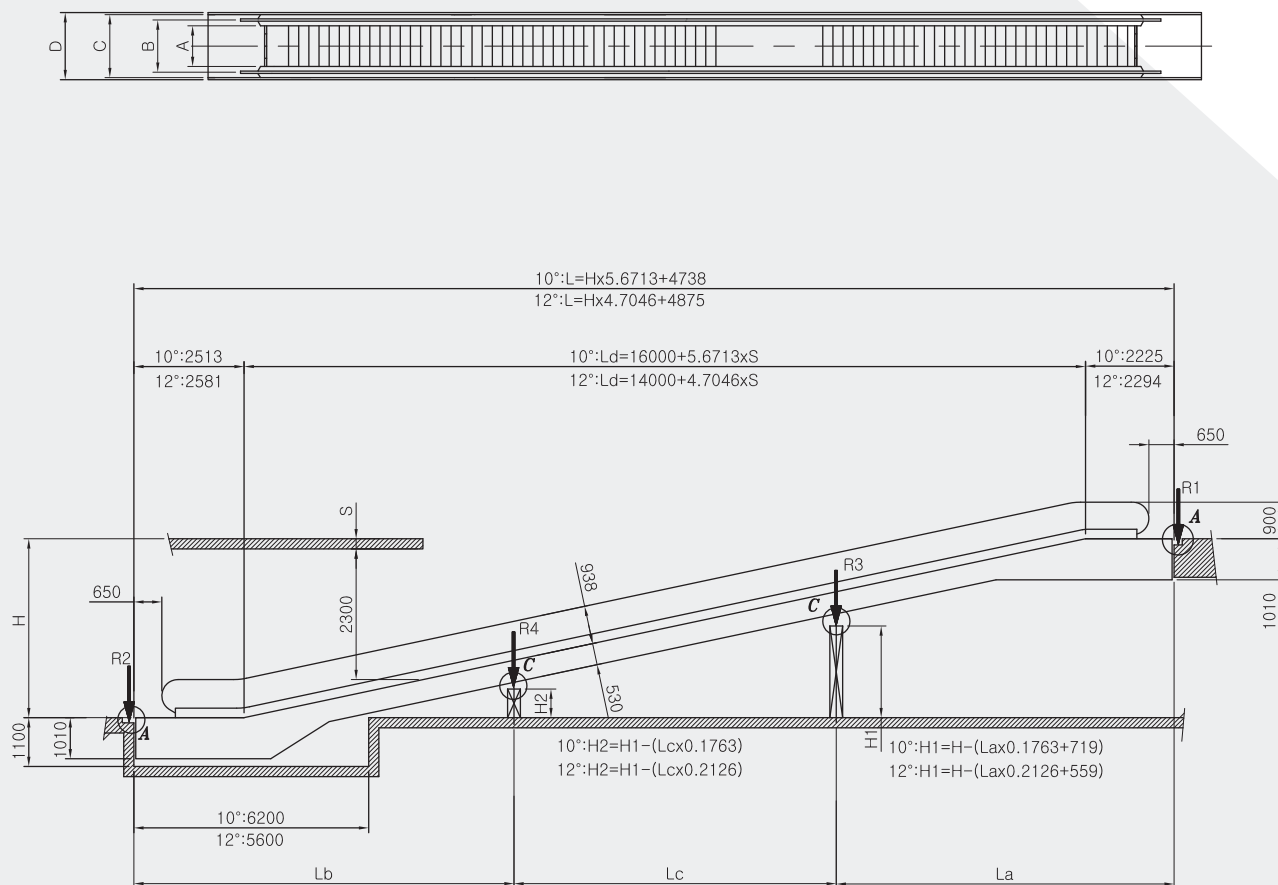


A : STEP WIDTH	600	800	1000
B : H/R CENTER DISTANCE	838	1038	1238
C : WIDTH OF ESCALATOR	1200	1400	1600

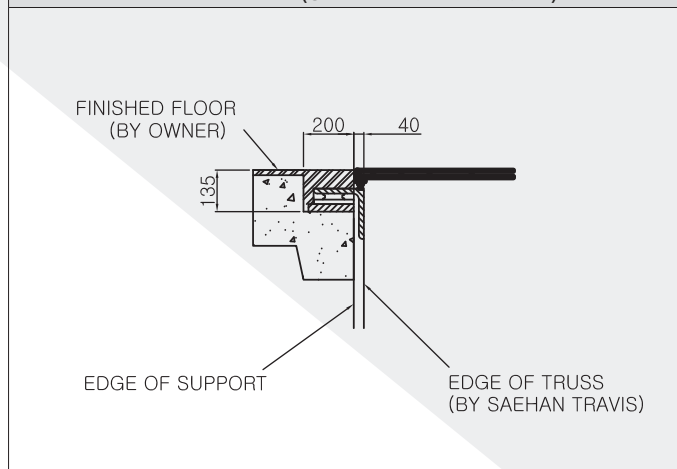
A (mm)	H (mm)	SUPPORT LOADS (KN)			MOTOR (Kw)
		R1	R2	R3	
1000	4000	76	69	—	7.5
	5000	83	76	—	7.5
	6000	58	49	95	11
	7000	62	53	104	11
	8000	66	57	113	15
	9000	71	62	122	15
	10000	75	66	131	11x2
	11000	75	70	140	11x2



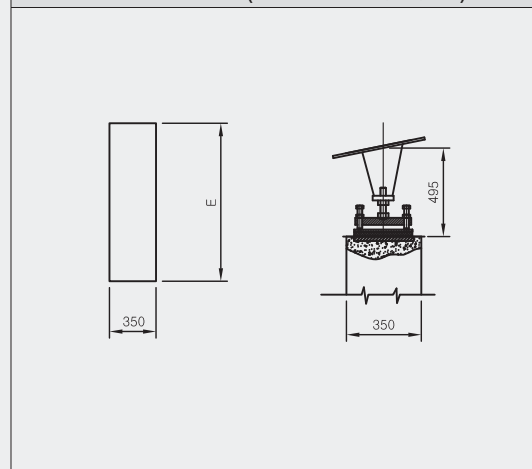
LAYOUT OF MOVING WALK



DETAIL "A" – (STANDARD PRODUCT)



DETAIL "C" – (MIDDLE PRODUCT)



The truss don't need extension in principle, but, if the customer need it really, please drawing the layout according to cable.

* For special conditions such as extended free span, exterior cladding exceeding 200 n/m .wind loads or earthquake loads please contact R&D.

The work that customer and contractor have to do

1. This drawing is fit for the products which rise H/U+22646m, the permitted tolerance is $-15\text{mm} \sim +15\text{mm}$.
2. When L, the horizontal span is more than 15.3m, it needs adding two middle supports with basically even locations.
3. Before installed, all holes have to be enveloped with the safety guard which height is not less than 1.2m and guarantee the strength is enough.
4. There should be anti water inside pit. The location of splash should be at the basement.
5. According to the requirement of the technology data, the power supply with the safety switch is setting at the machine room. The fluctuation of voltage can not over than $\pm 7\%$. The N wire and earth wire should be separated and the ground resistance is not more than 4Ω .
6. When the distance between the central line of the handrail and any barriers is less than 500mm, the user needs to set a vertical cladding without a sharp edge at the upper part of the external cover plate, with a height of not less than 300mm.
7. If the customer have any special request, should contract after being agreed by the company technology.

ANGLE (°)	RISE		SUPPORT LOADS (KN)		La	Lb	Lc
	FROM	TO	R3	R4			
10°	1263	1792	—	—	—	—	—
	1793	4437	1	—	L/2	L/2	—
	4438	6000	1	1	L/3	L/3	L/3
12°	1523	2160	—	—	—	—	—
	2161	5349	1	—	L/2	L/2	—
	5350	6000	1	1	L/3	L/3	L/3

A : STEP WIDTH	800	1000
B : H/R CENTER DISTANCE	1038	1238
C : WIDTH OF MOVING WALK	1400	1600
D : WIDTH OF END OPENING & PIT	1460	1660
E : WIDTH OF INTE.SUPPORT	1400	1600

SUPPORT LOADS PARAMETER	Q	M	N
800	0.0039	9.5	9.5
1000	0.0045	11	5

SUPPORT LOADS		
W/O SUPPORT	SINGLE SUPPORT	DOUBLE SUPPORT
R1=L x Q x M	R1=La x Q x M	R1=La x Q x M
	R2=Lb x Q x N	R2=Lb x Q x N
R2=L x Q x n	R3=(La+Lb) x 1.3 x Q	R3=(La+Lb) x 1.3 x Q
		R3=(Lb+Lc) x 1.3 x Q

All gaps between travolator and building must be closed with elastic material.(by others)

*** Adopt 10mm soft wire cable as the power supply cable.(by others)

PORTFOLIO



- KORAIL(갈매역)
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



- KORAIL(춘천역)
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



- KORAIL(사릉역)
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



- KORAIL(금곡역)
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



- KORAIL(강촌역)
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



- KORAIL(퇴계원역)
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



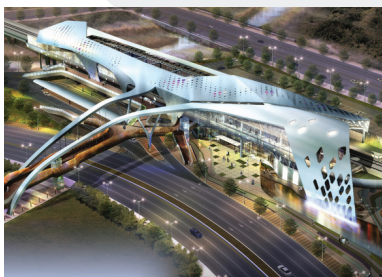
- KORAIL(서울역)
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



- 여수엑스포 LG관
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



- 유교문화체험센터
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



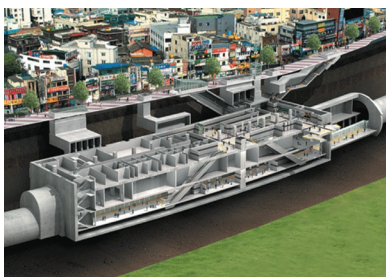
- 경춘선 별내역
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



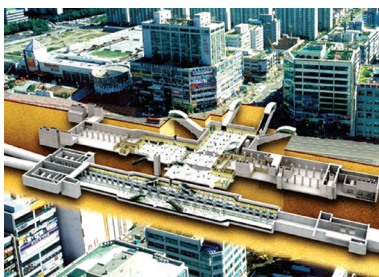
- 군산예술회관
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



- 대구지하철 3호선
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



- 대구지하철 2호선 경산 연장 2공구
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



- 서울지하철 7호선 759정거장
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



- 서울지하철 7호선 753정거장
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



- 서울지하철 2호선 성수역
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



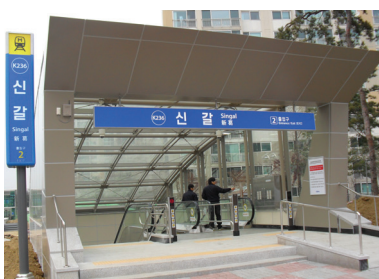
- 서울지하철 3호선 수내역
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



- 서울지하철 분당선 기흥역
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



- 서울지하철 2호선 사당역
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



- 서울지하철 분당선 신갈역
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



- 영종도 자기부상열차
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



- 서울지하철 분당선 영통역
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



- 서울지하철 7호선 청담역
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min



- 수인선 남동역
- TYPE : For Passenger Escalator
- SPECS : 1200type 30° 30m/min

최고의 기술과 서비스는 트라비스의 정신입니다

The Best Technology & Service







Seoul Office

#409, DAESUNG D-Police A-dong, 543-1, Gasan-dong, Geumcheon-Gu, Seoul, Korea
Tel. +82-2-2625-3101 Fax. +82-2-861-9877, +82-2-2066-3107

Main Office

278, Youlsaeng-ri, Daegot-myeon, Gimpo-si, Gyeonggi-do, Korea
Tel. +82-31-981-2211 Fax. +82-31-981-3100

Emergency Call (for After Service)

Tel. +82-80-981-2211

서울사무소

전화 : 02-2625-3101
팩스 : 02-861-9877, 02-2066-3107
주소 : 서울시 금천구 가산동 543-1 대성 디폴리스 A동 409호

김포본사

전화 : 031-981-2211
팩스 : 031-981-3100
주소 : 경기도 김포시 대곶면 울생리 278

긴급AS연락처

전화 : 080-981-2211