Escalator & Travellator

ESIEsc (Escalator Type)

ESITrav (Travellator Type)

Project Reference

1 Axis Pandan, Kuala Lumpur

2 First Subang, Selangor

3 Calvary Convention Centre, Kuala Lumpur

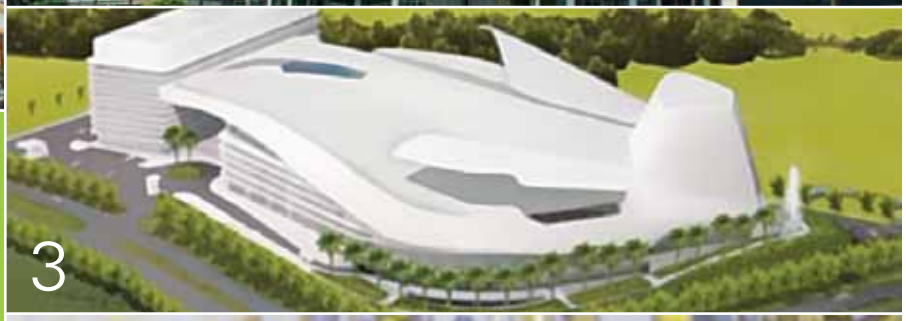
4 Kuching Sentral, Sarawak

5 Talat Sao Mall, Laos

6 The Strand Mall, Selangor

7 City One Mall, Sarawak

8 Plaza Salak Park, Kuala Lumpur



Our Marketing Coverage

EITA Elevator (Malaysia) Sdn. Bhd. designs, manufactures, installs, commissions and maintains escalators and travellators. We pride ourselves in providing our customers with a one-stop solution.

We have built a strong track record and reputation in the elevator market. To date, we have installed more than 2,160 units of passenger elevators, escalators and travellators in Malaysia and the Asean region.

Our company has always adopted "Go Green" initiatives to play our part in helping to save the environment and to help our customers save cost. One of our key energy saving innovations allows our escalators and travellators to automatically optimize power consumption based on human traffic thus saving energy and operations cost for our clients.

Furthermore, we have our own in-house R & D Centre to enable us to stay ahead of competition by improving and developing innovative value-added features and solutions to continuously enhance our system

"Our escalators and travellators are marketed under our own brand name, "EITA-Schneider®".

Design Department

R & D Department

30°/35° Escalators series-ESIEsc-P- common type and M-slim type

Escalators of common type and slim type are design and manufactured strictly according to the EN 115 European standard.

Our modular design is integrated into each detail thus providing a wide range of diversified functions to meet the specific needs of different clients, and also the ability complement the individual style and image of buildings.

Main Specification

Installation type
Indoor / semi-outdoors / outdoors

Rise
1.0- 16.0M (35° only used for lower or equal than 6 m)

Gradient
30° / 35°

Step width
600 / 800 / 1000 mm

Horizontal steps
2/3 flat steps

Speed
0.5 m/s

Capacity
3600 / 4800 / 6000 people per hour

Power supply
Three phase of 415 V / 240 V / 50 HZ

Lighting power
Single phase of 240 V / 50 HZ

Exterior Design

Handrail
Sulfurized black rubber ring-belt, inserted steel wire rope (other colour options).

Exterior / interior panel or decking
Hairline stainless steel

Skirt board
Hairline stainless / steel board coated with teflon

Step
Stainless steel / die cast aluminium

Security sign of steps
Yellow polycarbonate security boundary

Landing board
Rammed anti-slip stainless steel sheathing (etched stainless steel for option With black anti-slip patterns)

Operation panel
Red emergency stop button and key switch to up and down

Lighting under step (optional)
Green fluorescent lamp

VF (Drive) energy saving system (optional)
Escalator will run at low speed during no load and automatically return to normal speed during load, which is activated by photocell sensors at entrance. This frequency inverter (inverter) drive system will save energy up to 60%.

Auto-Start by Photocell Sensors (optional)
The escalator should be switched ON and OFF automatically with the use of photocell sensors installed at and hairline stainless steel columns which are arranged at least 1,300mm before the comb intersection line. Directional indicators are integrated in the same columns.

30°/35° Public-traffic Escalator Series-ESIEsc-G

Escalator of Public-Traffic Type

Escalator of Public-traffic type which is fit for both indoors and outdoors is designed and manufactured strictly according to the EN115 European standard. Our modular design is providing various kinds of optional functions and is able to satisfy the different needs of the customers. The Public-traffic type can transport large amount of passenger and durable.

Main Specification

Installation place
Indoor / semi-outdoors / outdoors

Transit/ running time
24 Hours per day

Vertical height
1.0 M – 15m (35°, only used for lower or equal than 6m)

Gradient
30° / 35°

Step width
600/800/1000Mm

Horizontal steps
2/3 Steps

Upside curvature radius Of escalator steps
1500/2700Mm

Speed
0.5M/s

Delivery capacity
3600/4800/6000 People per hour

Power supply
Three phase current of 415v/50hz

Lighting power
Signal phase current of 240v/50hz

Exterior Design

Handrail design
Vertical glass handrail / inclined stainless-steel banister

Handrail bracket
Aluminium alloy / hairline stainless steel

Handrail
Sulfurized black ruber ring-belt, inserted steel wire rope

Exterior / interior panel or decking
Hairline stainless steel

Skirt board
Hairline stainless steel / steel board coated with teflon

Step
Cast aluminium / stainless steel

Security sign of steps
Yellow plastic safety border

Landing board
Rammed anti-slip stainless-steel sheathing
(Etched stainless for option with black anti-slip patterns)

Operation panel
Red emergency stop button and key switch to up and down

Lighting under step
Green fluorescent

30° Heavy-duty Escalator Series ESIEsc-Z

Escalator of Heavy-Duty Type

Escalator of Heavy-duty type which is custom-made for public traffic intergrates the safety, aesthetics, and environmental protection into one according to the harmonious transport idea. It is an effective transport solution plan which can endure the harshest environment checks.

Main Specification

Installation place
Indoor / semi-outdoors / outdoors

Transit/ running time
24 Hours per day

Vertical height
3.0 -24.0M

Gradient
30°

Step width
800/1000Mm

Horizontal steps
4 Steps

Upside curvature radius Of escalator steps
3000Mm

Speed
0.5 M/s, 0.65M/s, 0.75M/s

Delivery capacity
- For speed 0.5 M/s, 4800/6000 people per hour
- For speed 0.65 M/s, 5900/7300 people per hour
- For speed 0.75M/s, 6600/8200 people per hour

Power supply
Three phase current of 415v/50hz

Lighting power
Signal phase current of 240v/50hz

Exterior Design

Handrail design
Vertical glass handrail / inclined stainless-steel banister

Handrail bracket
Aluminium alloy / hairline stainless steel

Handrail
Sulfurized black rubber ring-belt, inserted steel wire rope

Exterior / interior panel or decking
Hairline stainless steel

Skirt board
Hairline stainless steel / steel board coated with teflon

Step
Cast aluminium / stainless steel

Security sign of steps
Yellow plastic safety border

Landing board
Rammed anti-slip stainless steel sheating
(Etched stainless for option with black anti-slip patterns)

Operation panel
Red emergency stop button and key switch to up and down

Lighting under step
Green fluorescent

0°- 12° Travellator series

ESITrav - P - common Type

Under the EITA-Schneider® brand, our 0-12 Series of travellators offers a variety of patterns for our clients to choose from. These attractively designed travellators which are widely used in public areas, such as, shopping malls, airports, markets, stations, docks and exhibition buildings will further enhance the esthetics of our clients' buildings. State of the art design and international technological influences in our travellators are well suited to not only meet the needs of the everyday users but also to cater for baby carriages, shopping carts, wheelchairs and others.

With our attractive structures, superior stairs, fine pedrail ways and unique elegant design, EITA-Schneider® products enhance the pedestrians experience when they step on our travellators.

Main Specification

Installation place
Indoor / semi-outdoors / outdoors

Rise
1.0 - 6.0 M

Gradient
10° / 11° / 12°

Step width
800 / 1,000 Mm

Upside curvature radius Of escalator steps
3500Mm

Speed
0.5 M/s

Capacity
4800 / 6000 People per hour

Power supply
Three phase of 415 v / 240 v / 50 hz

Lighting power
Single phase of 240 v / 50 hz

Exterior Design

Handrail design
Common type / slim type. Vertical glass handrail with toughened security glass of 10cm in thickness vertical 10 mm tempered glass of high security

Handrail bracket
Aluminium alloy / hairline stainless steel

Handrail
Sulfurized black rubber ring-belt, inserted steel wire rope

Exterior / interior panel or decking
Hairline stainless steel

Skirt board
Hairline stainless steel

Footplate
Stainless steel punched forming, black electrophoretic paint

Landing board
Rammed anti-slip stainless steel sheating
(Etched stainless for option with black anti-slip patterns)

Operation panel
Red emergency stop button and key switch to up and down

Optional Function

The escalator will be switched "ON" automatically with the use of photocell sensor and will be switched "OFF" automatically if nobody is using the escalator for a preset time which can be set depending on the customer's requirement. Another "Go Green" energy saving feature.

The rammed skirt board and inclined cover board fits together perfectly. The skirt boards on both sides form a smooth plane, eliminating the danger of possible hooking.

The escalator indicator is a safety circuit to prevent operation under unsafe condition. This additional standard feature is to enhance high safety measure to make EITA escalator very safe to be used especially in the public open area.

Skirt brushes are designed to prevent foreign object from being trap into the gap between the skirting and the step.

Variable - Voltage, Variable - frequency (VVVF) drive system provide variable speed control of the motor and efficient power consumption.

The micro-controller Unit consists of processor core, memory and programmable input/ output peripherals. It can be configure to automatically control and optimize device operations.

The comb and step lighting provide additional safety to the user as they step onto the escalator.

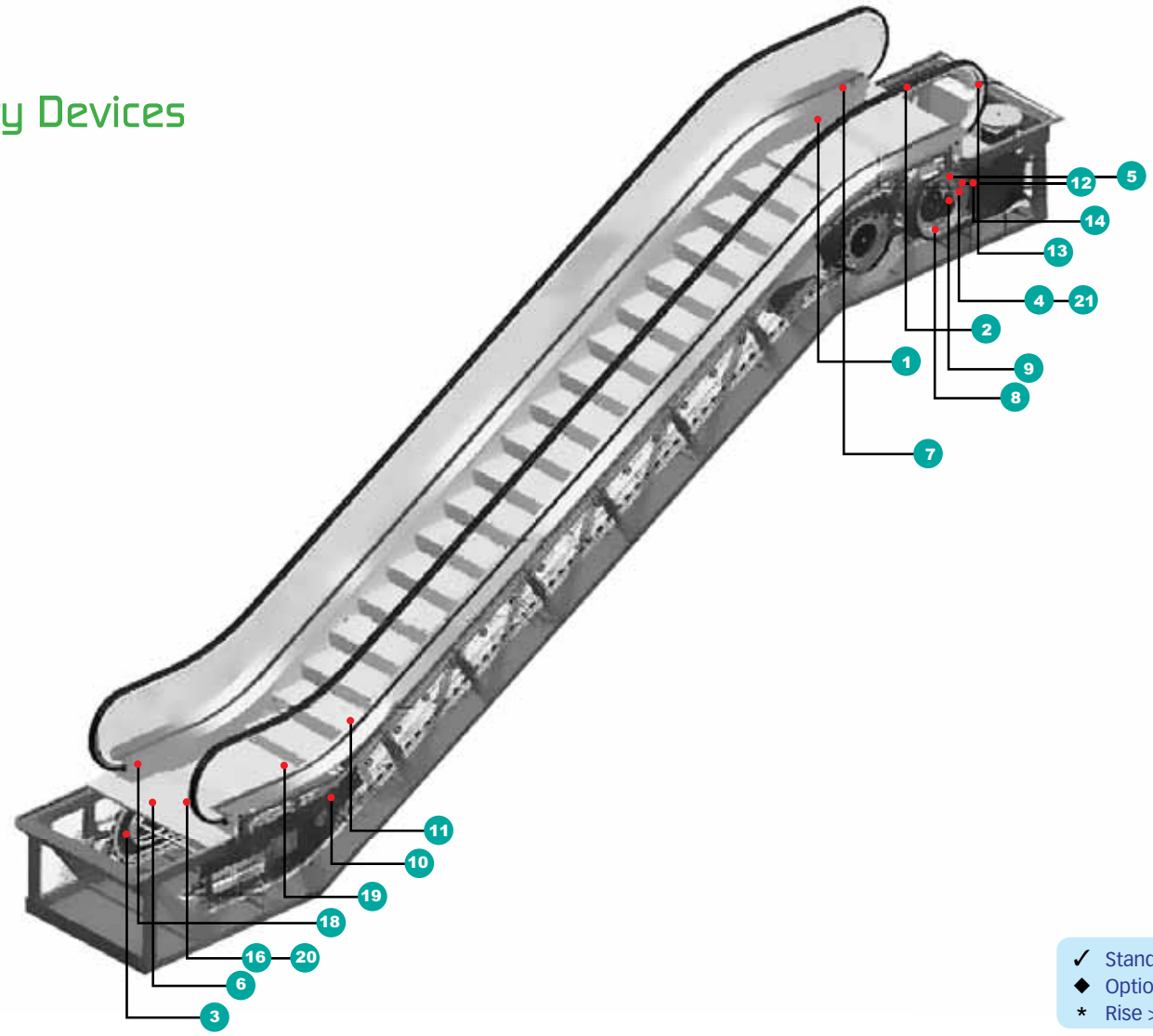
The frames are made of aluminium alloy which is strong, attractive in appearance and anti-corrosive.

Using aluminium core rubber wheels for the hand-rail belt reduces stress, longer lasting/increases durability and provides strong driving ability.

Strong stainless steel / aluminium step-in shapes help in countering corrosion and indefatigability with no distortion after long time application under heavy loads.

Oil is added automatically and periodically by computer. This controls the lubrication of the chain transmission mechanism thus maintaining good mechanical operational conditions, reducing abrasions and longer life-span.

Safety Devices



✓ Standard
◆ Optional
* Rise > 6.0m

	Safety Code	ESIEsc-P	ESIEsc-M	ESIEsc-G	ESIEsc-Z	ESITrav
1	Skirting Contact	✓	✓	✓	✓	✓
2	Handrail Entrance Contact	✓	✓	✓	✓	✓
3	Broken Step-Chain Contact	✓	✓	✓	✓	✓
4	Phase Monitor	✓	✓	✓	✓	✓
5	Motor Overload And Overheat Contact	✓	✓	✓	✓	✓
6	Comb Contact	✓	✓	✓	✓	✓
7	Emergency Stop Button	✓	✓	✓	✓	✓
8	Main Drive-Chain Contact	✓	✓	✓	✓	✓
9	Reversal Prevent	✓	✓	✓	✓	✓
10	Step Sagging Contact	◆	◆	◆	◆	◆
11	Static Brusher	✓	✓	✓	✓	✓
12	Auto Lubrication	✓	✓	✓	✓	✓
13	Safety Circuit Protection	✓	✓	✓	✓	✓
14	Broken Handrail Contact	✓	✓	✓	✓	✓
15	Alarm Bell Device	✓	✓	✓	✓	✓
16	Step Gap Lighting	✓	✓	✓	✓	✓
17	Auxiliary Brake*	◆	◆	◆	◆	◆
18	Fault Display	✓	✓	✓	✓	✓
19	Handrail Speed Monitor	✓	✓	✓	✓	✓
20	Protection From Step Bounce Out	✓	✓	✓	✓	✓
21	Under-Speed Protection	✓	✓	✓	✓	✓

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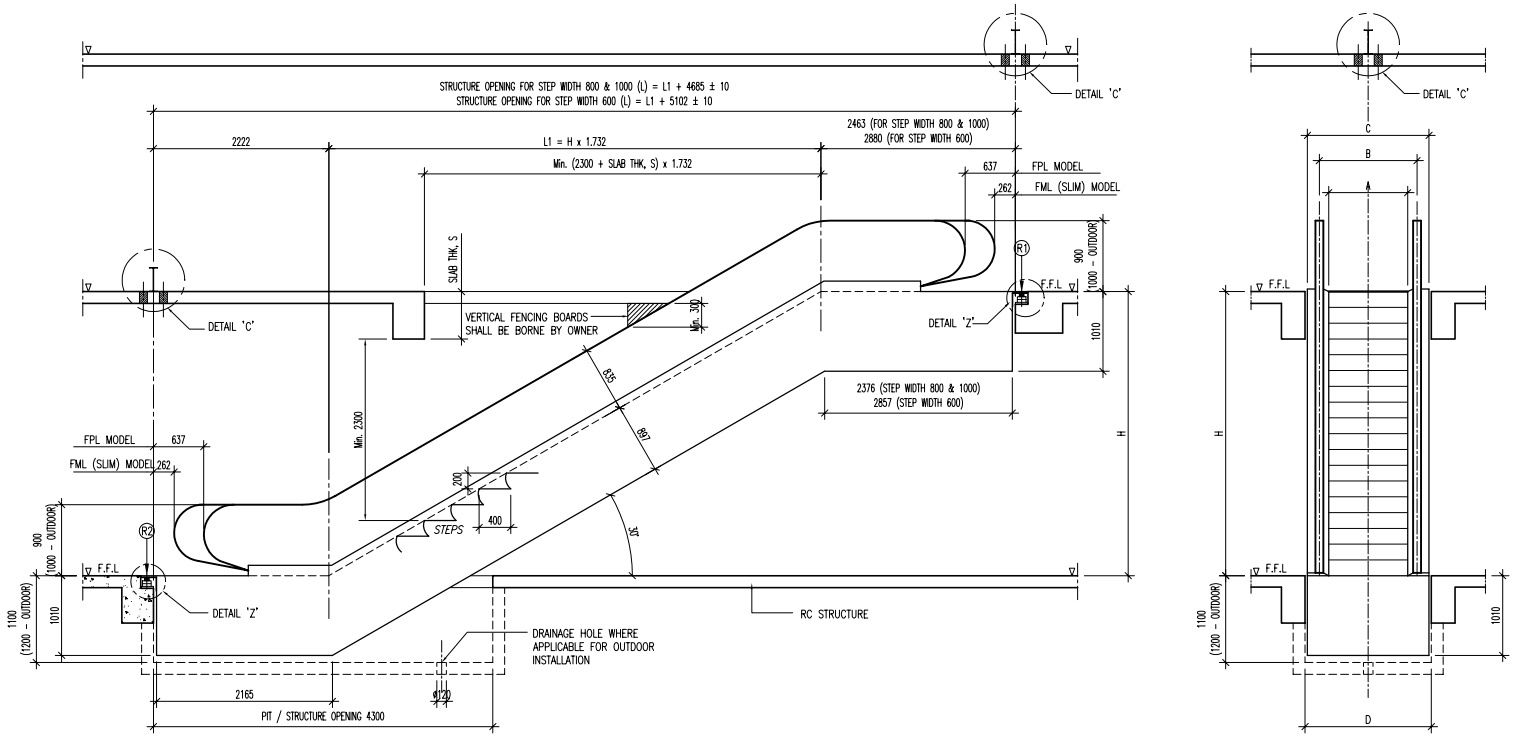
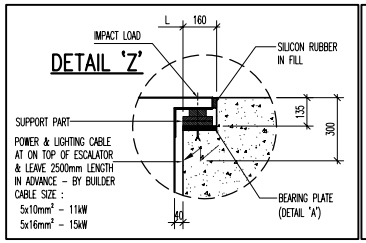
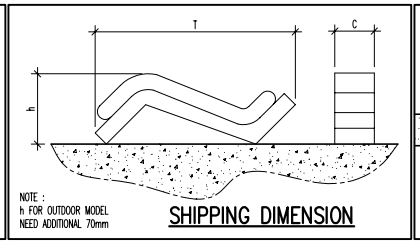
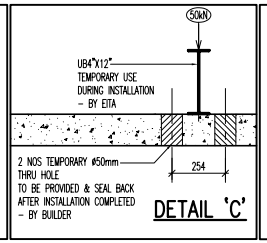
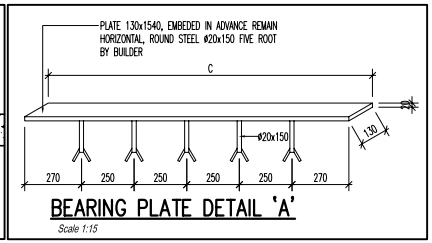
30° Escalator (ESIEsc-P/M) Technical Specification











MODEL	FPL30-600 (3600 PEOPLE/HOUR)					FPL30-800 (4800 PEOPLE/HOUR)					FPL30-1000 (6000 PEOPLE/HOUR)					STRUCTURE OPENING (L) ±10	SHIPPING DIMENSION	
TRAVELLING HEIGHT (mm)	NET WEIGHT (kN)	SUPPORTING LOAD (kN)		MOTOR POWER (kW)	STRUCTURE OPENING (L) ±10	NET WEIGHT (kN)	SUPPORTING LOAD (kN)		MOTOR POWER (kW)		NET WEIGHT (kN)	SUPPORTING LOAD (kN)		MOTOR POWER (kW)			h	T
		R1	R2				R1	R2				R1	R2					
3000	57	46	41	5.5	10298	59	52	47	5.5		63	59	53	5.5		9881	2750	10900
3500	60	49	44	5.5	11164	63	56	50	5.5		67	64	57	5.5		10747	2780	11890
4000	64	52	47	5.5	12030	67	60	54	5.5		71	68	61	7.5		11613	2810	12880
4500	68	56	50	5.5	12896	71	64	57	7.5		75	73	65	7.5		12479	2830	13870
5000	71	59	53	5.5	13762	74	68	60	7.5		83	79	71	11		13345	2840	14860
5500	75	62	56	7.5	14628	82	74	66	8		87	84	75	11		14211	2860	15860
6000	79	65	59	7.5	15498	85	78	69	11		92	88	79	11		15077	2870	16850

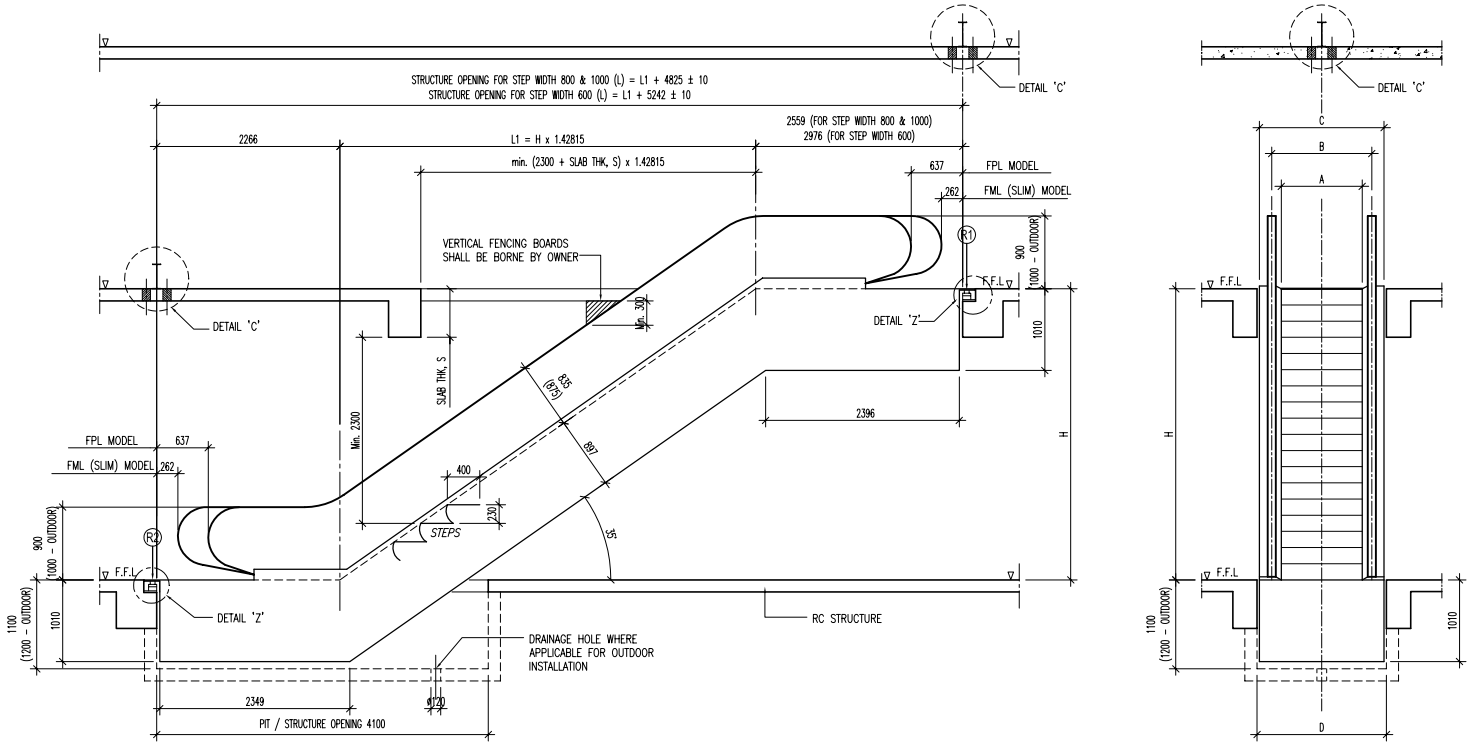
MODEL	A	B	C	D	E
FPL30-600	600	838	1140	1200	18500
FPL30-800	800	1038	1340	1400	16900
FPL30-1000	1000	1238	1540	1600	15700

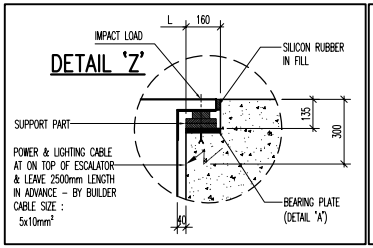
NOTE: WHEN STRUCTURE OPENING (L) IS LONGER THEN (E)
AN INTERMIDIATE SUPPORT SHALL BE ADDED AT MIDDLE

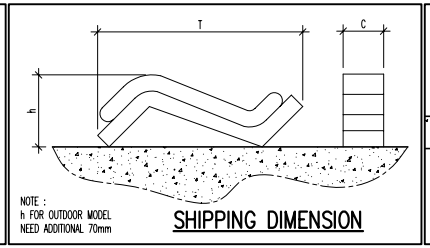
30° COMMON TYPE/SLIM TYPE ESCALATOR CONSTRUCTION LAYOUT

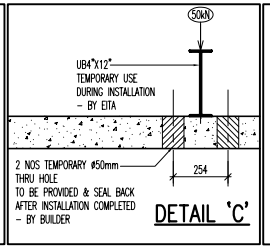
EITA-Schneider®

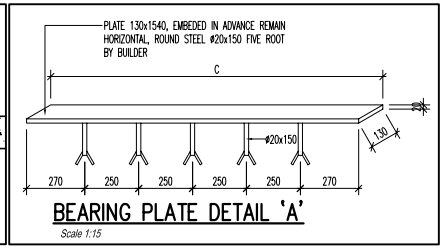
35° Escalator (ESIEsc-P/M) Technical Specification











MODEL	FPL35-600 (3600 PEOPLE/HOUR)					FPL35-800 (4800 PEOPLE/HOUR)					FPL35-1000 (6000 PEOPLE/HOUR)					STRUCTURE OPENING (L) ±10	SHIPPING DIMENSION	
TRAVELLING HEIGHT (mm)	NET WEIGHT (kN)	SUPPORTING LOAD (kN)		MOTOR POWER (kW)	STRUCTURE OPENING (L) ±10	NET WEIGHT (kN)	SUPPORTING LOAD (kN)		MOTOR POWER (kW)		NET WEIGHT (kN)	SUPPORTING LOAD (kN)		MOTOR POWER (kW)			h	T
		R1	R2				R1	R2				R1	R2					
3000	54	43	39	5.5	9526	56	49	44	5.5		60	56	50	5.5		9109	2850	10180
3500	57	46	41	5.5	10241	60	52	47	5.5		64	60	53	5.5		9824	2890	11030
4000	60	49	44	5.5	10955	63	56	50	5.5		67	64	57	7.5		10538	2920	11890
4500	64	52	46	5.5	11669	66	59	53	7.5		71	67	60	8.0		11252	2940	12750
5000	67	54	49	5.5	12383	70	62	56	7.5		74	71	64	11		11966	2970	13610
5500	70	57	51	7.5	13097	73	65	59	8		82	77	69	11		12680	2980	14470
6000	73	60	54	7.5	13811	76	69	61	11		85	81	72	11		13394	3000	15330

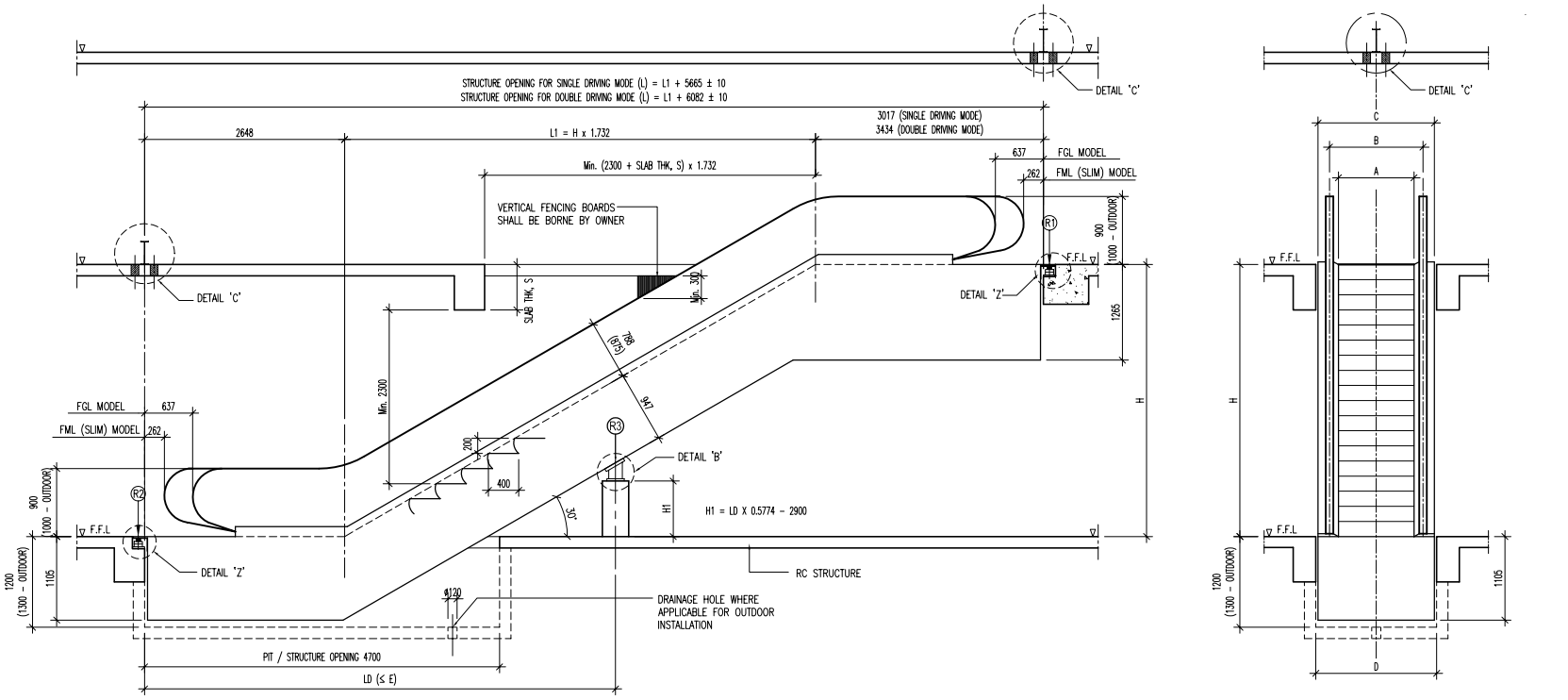
MODEL	A	B	C	D	E
FPL35-600	600	838	1140	1200	18500
FPL35-800	800	1038	1340	1400	16900
FPL35-1000	1000	1238	1540	1600	15700

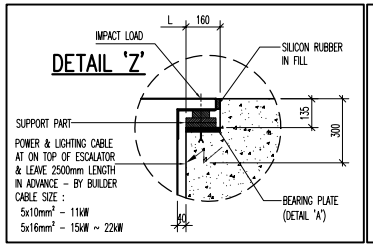
NOTE: WHEN STRUCTURE OPENING (L) IS LONGER THEN (E)
AN INTERMIDIATE SUPPORT SHALL BE ADDED AT MIDDLE

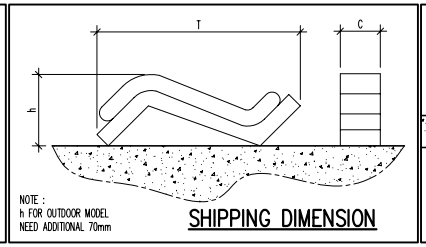
35° COMMON TYPE/SLIM TYPE ESCALATOR CONSTRUCTION LAYOUT

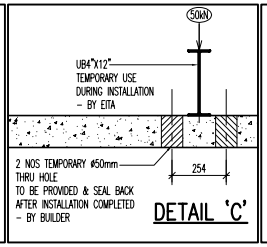
EITA-Schneider®

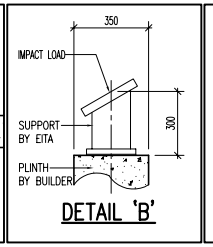
30° Public-traffic Escalator (ESIEsc-G) Technical Specification

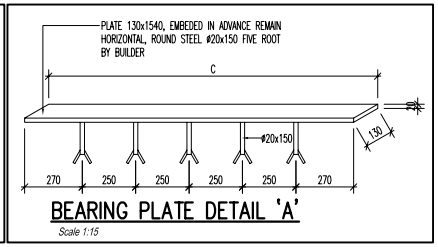












MODEL	FGL30-800 (4800 PEOPLE/HOUR)					FGL30-1000 (6000 PEOPLE/HOUR)					SHIPPING DIMENSION		STRUCTURE OPENING SINGLE DRIVING	STRUCTURE OPENING DOUBLE DRIVING
TRAVELLING HEIGHT (mm)	NET WEIGHT (kN)	SUPPORTING LOAD (kN)			MOTOR POWER (kW)	NET WEIGHT (kN)	SUPPORTING LOAD (kN)			MOTOR POWER (kW)				
		R1	R2	R3			R1	R2	R3		h	T		
6000	75	45	37	93	11	107	51	43	107	15	3290	17760	16057	
6500	83	47	39	98	11	111	53	45	113	15	3300	18750	16923	
7000	87	49	41	103	11	116	56	48	119	15	3320	19700	17789	
7500	92	51	43	108	15	120	58	50	124	15	3330	20750	18655	
8000	97	53	45	113	15	125	60	52	130	18.5	3340	21740	19521	
8500	103	55	47	118	15	129	62	54	135	18.5	3350	22740	20387	
9000	110	57	49	123	15	134	69	58	144	11 x 2	3510	24110		21670
9500	137	59	51	128	15	139	71	60	149	11 x 2	3530	25110		22536
10000	142	61	53	133	18.5	143	73	62	154	11 x 2	3540	26100		23402

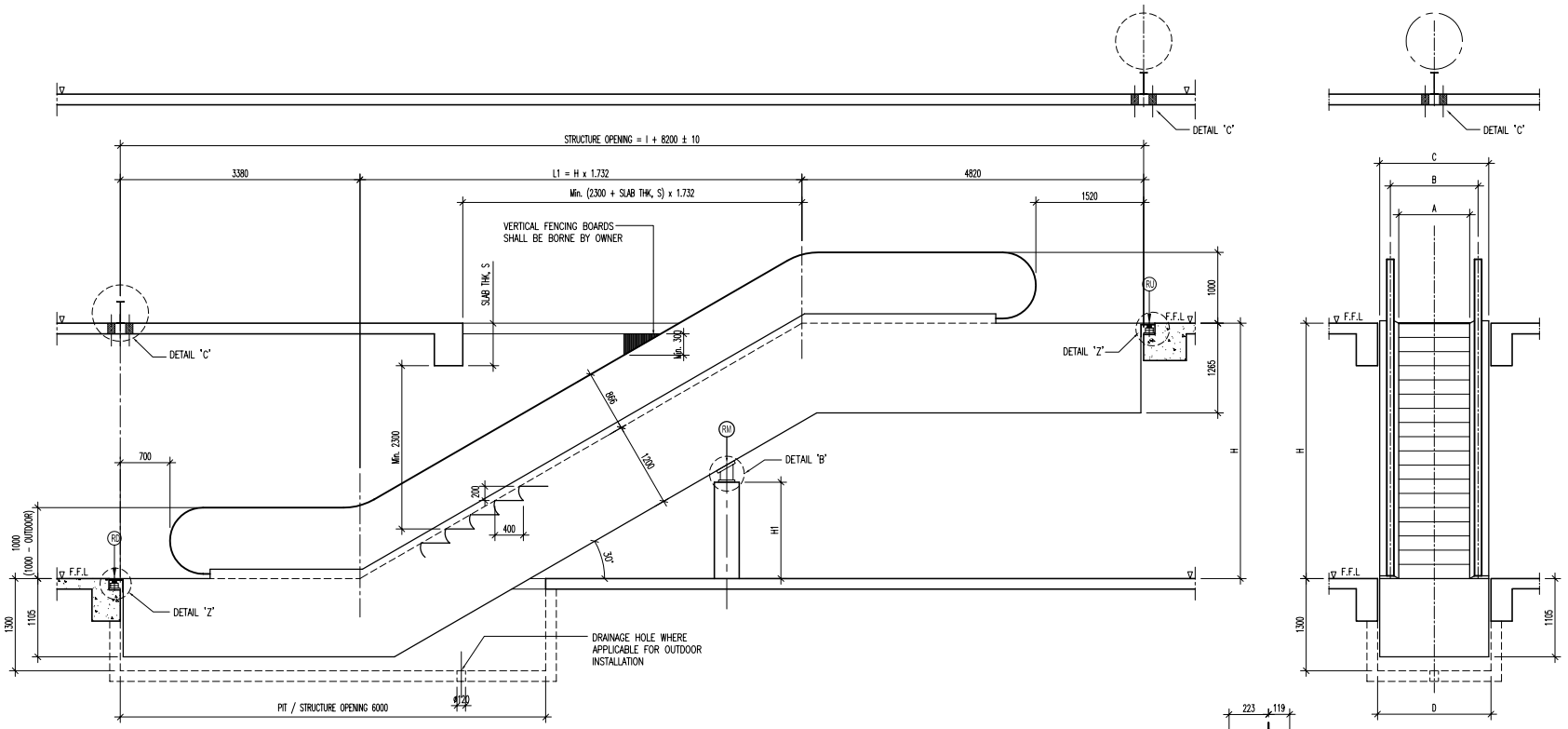
MODEL	A	B	C	D	E
FGL30-800	800	1038	1340	1400	16900
FGL30-1000	1000	1238	1540	1600	15700

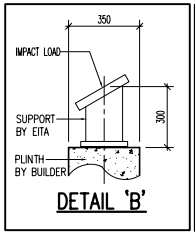
NOTE: E DENOTES THE MAXIMUM DISTANCE BETWEEN TWO SUPPORTING POINTS

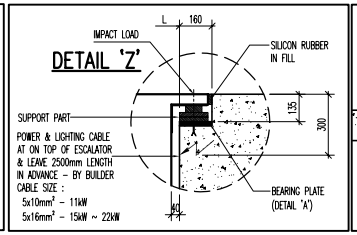
30° PUBLIC TRAFFIC TYPE ESCALATOR CONSTRUCTION LAYOUT

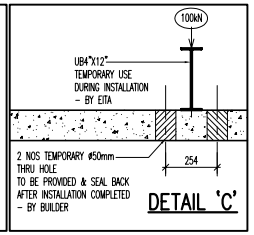
EITA-Schneider®

30° Heavy-duty Public-traffic Escalator (ESIEsc-Z) Technical Specification









STEEP WIDTH (mm)	RU (KN)	RM (KN)	RD (KN)
800	4.1LU + 16	6.2L + 3	4.1LD + 4
1000	4.6LU + 16	7L + 3	4.6LD + 4

MODEL	A	B	C	D	E
FZL30-800	800	1038	1340	1400	24900
FZL30-1000	1000	1238	1640	1700	21600

NOTE: E DENOTES THE MAXIMUM DISTANCE BETWEEN TWO SUPPORTING POINTS

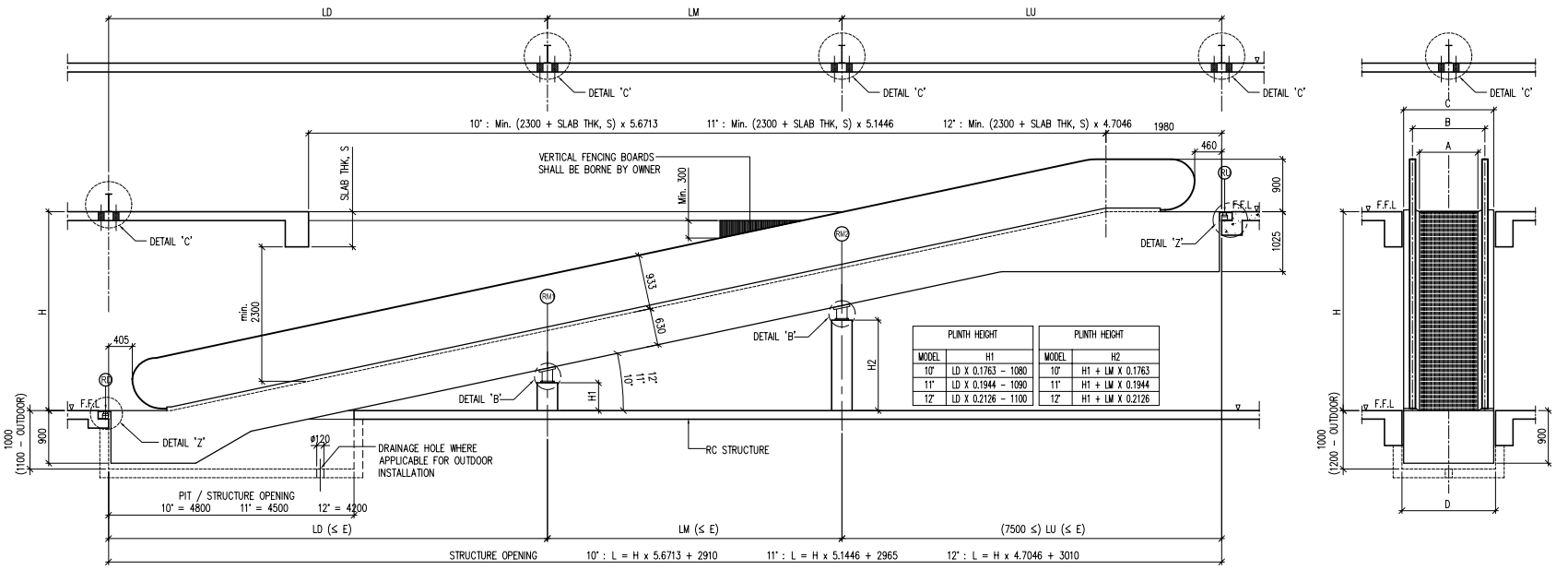
MODEL	FZL30-800					FZL30-1000					
	(4800 PEOPLE/HOUR)		(5900 PEOPLE/HOUR)			(6000 PEOPLE/HOUR)			(7300 PEOPLE/HOUR)		
SPEED (m/s)	0.5		0.65			0.5			0.65		
TRAVELLING HEIGHT (mm) (MAX.)	20000	24000	15500	20000	24000	16900	21500	24000	13000	16500	20000
MOTOR KW	15 X 2	18.5 X 2	15 X 2	18.5 X 2	22 X 2	15 X 2	18.5 X 2	22 X 2	15 X 2	18.5 X 2	22 X 2

SECTION OF HANDRAIL AND WALL PROTECTOR PLATE

30° HEAVY DUTY PUBLIC TRAFFIC TYPE ESCALATOR CONSTRUCTION LAYOUT

EITA-Schneider®

10°-12° Travellator (ESITrav-P) Technical Specification



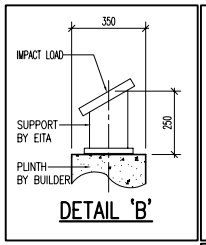
PLINTH HEIGHT	
MODEL	H1
10°	LD X 0.1763 – 1080
11°	LD X 0.1944 – 1090
12°	LD X 0.2126 – 1100

PLINTH HEIGHT	
MODEL	H2
10°	H1 + LM X 0.1763
11°	H1 + LM X 0.1944
12°	H1 + LM X 0.2126

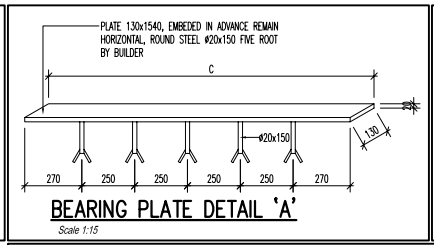
MODEL (10°)		XPL-10°-800 (4800 PEOPLE/HOUR)					XPL-10°-1000 (6000 PEOPLE/HOUR)					DIMENSION		
TRAVELLING HEIGHT (mm)	STRUCTURE OPENING (L)	SUPPORTING LOAD (kN)				MOTOR POWER (kW)	SUPPORTING LOAD (kN)				MOTOR POWER (kW)			
		RU	RD	RM1	RM2		RU	RD	RM1	RM2		LD	LU	LM
3000	19924	44	36	90		7.5	51	43	107		7.5	9962	9962	
3500	22759	49	41	103		7.5	57	49	122		7.5	11379	11380	
4000	25595	54	46	116		7.5	64	55	138		11	12797	12798	
4500	28431	60	51	129		8	70	61	153		11	14216	14215	
5000	31266	66	57	141		11	54	45	99	99	11	10422	10422	10422
5500	34102	50	41	91	91	11	58	49	108	108	11	11367	11367	11368
6000	36938	54	45	98	98	11	62	53	116	116	15	12312	12313	12313

MODEL (11°)		XPL-11°-800 (4800 PEOPLE/HOUR)					XPL-11°-1000 (6000 PEOPLE/HOUR)					DIMENSION		
TRAVELLING HEIGHT (mm)	STRUCTURE OPENING (L)	SUPPORTING LOAD (kN)				MOTOR POWER (kW)	SUPPORTING LOAD (kN)				MOTOR POWER (kW)			
		RU	RD	RM1	RM2		RU	RD	RM1	RM2		LD	LU	LM
3000	18399	42	34	83		7.5	48	40	99		7.5	9700	9699	
3500	20971	45	38	95		7.5	53	45	113		7.5	10485	10486	
4000	23543	51	43	107		7.5	60	51	127		11	11771	11772	
4500	26155	55	47	119		7.5	65	56	141		11	13077	13078	
5000	28688	61	52	130		8	71	62	154		11	14344	14344	
5500	31260	63	57	141		11	54	45	99	99	11	10420	10420	10420
6000	33832	50	41	90	90	11	58	49	107	107	15	11277	11277	11278

MODEL (12°)		XPL-12°-800 (4800 PEOPLE/HOUR)					XPL-12°-1000 (6000 PEOPLE/HOUR)					DIMENSION		
TRAVELLING HEIGHT (mm)	STRUCTURE OPENING (L)	SUPPORTING LOAD (kN)				MOTOR POWER (kW)	SUPPORTING LOAD (kN)				MOTOR POWER (kW)			
		RU	RD	RM1	RM2		RU	RD	RM1	RM2		LD	LU	LM
3000	17124	39	31	77		7.5	45	37	92		7.5	8562	8562	
3500	19476	43	35	88		7.5	50	42	105		7.5	9738	9738	
4000	21828	48	40	94		7.5	56	47	117		11	10914	10914	
4500	24181	52	44	110		7.5	61	52	130		11	12090	12090	
5000	26533	57	48	120		8	66	57	143		11	13266	13266	
5500	28885	61	52	130		11	71	62	155		11	14442	14443	
6000	31238	66	57	141		11	54	45	99	99	15	10412	10413	10413

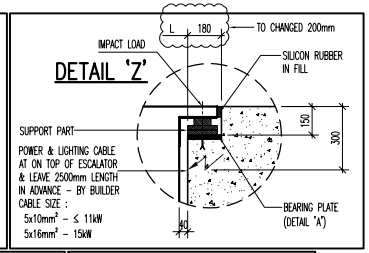


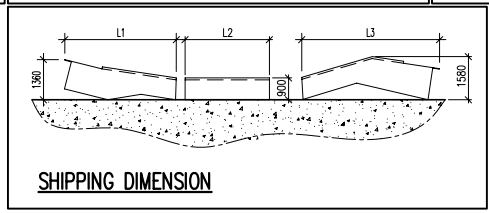
DETAIL 'B'



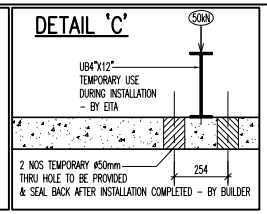
BEARING PLATE DETAIL 'A'

Scale 1:15





SHIPPING DIMENSION



	XPL-800 (4800 PEOPLE/HOUR)	XPL-1000 (6000 PEOPLE/HOUR)
A	800	1000
B	1038	1238
C	1340	1540
D	1400	1600
E	16300	15000

INCLINATION TYPE MOVING WALK CONSTRUCTION LAYOUT

NOTE: E DENOTES THE MAXIMUM DISTANCE BETWEEN TWO SUPPORTING POINTS

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