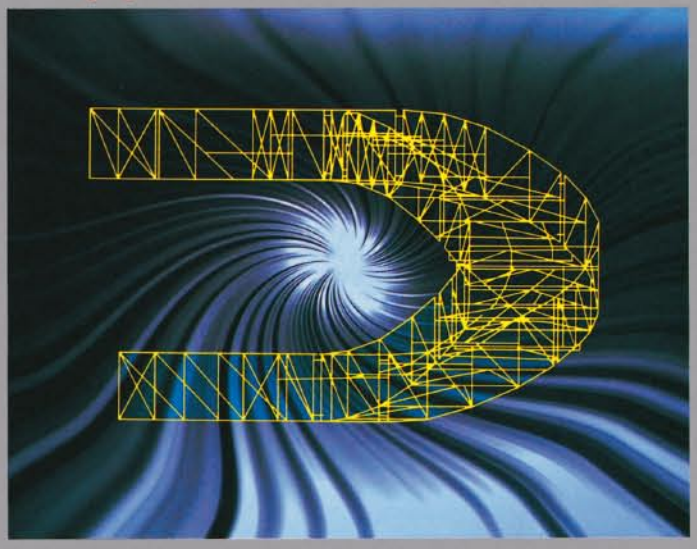
MITSUBISHI ELECTRIC

SPIRAL ESCALATORS

Changes for the Better

Quality in Motion

Only from Mitsubishi Electric.



for a greener tomorrow eco Changes

Flowing Curves That Offer New Dimensions in Space Design. Mitsubishi Spiral Escalators

IMS Building (Fukuoka, Japan)▲
Rise: 4.5m× 1 unit

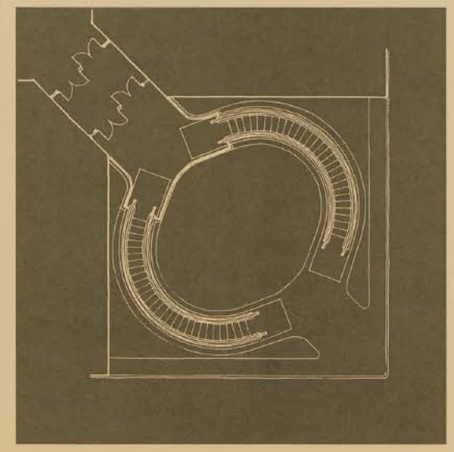
Graceful arcs flowing through urban space,
Mitsubishi Electric's spiral escalators
widen passenger perspective and add new form
to the surrounding area.
Spiral escalators are just one example of how
Mitsubishi Electric is working to develop a more
comfortable environment for mankind.
The application of a pioneering design enables
our escalators to follow smooth curving paths
to their destinations.
As a unique technology that marks a new
relationship between people and the spaces
that surround them,
we at Mitsubishi Electric trust that our spiral
escalators are one signal of development
toward more creative urban environments
in Japan and throughout the world.

▲ *Times Square (Hong Kong, China)*
Rise: 5.23m× 2 units
4.45m× 2 units

ENTRANCE PLAN

International Exhibition Center Osaka▲
(Osaka, Japan) Rise: 5.0m× 2 units

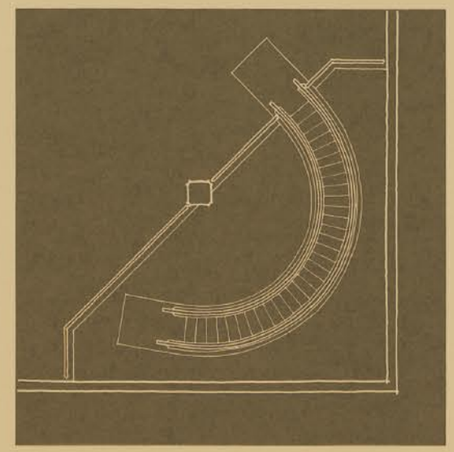
Here is a design that will immediately delight visitors as they ride in unprecedented elegance into your building.
Spiral escalators at the entrance leave the ground floor with a wealth of usable space. The elegantly functional layout not only enhances the building's attractiveness but also guides people smoothly into the building. Thanks to the inherent beauty of the design, you can expect your entrance to become the kind of place where discriminating people will want to meet, enhancing its reputation and adding to its value.



CORNER PLAN

Yokkaichi Star Island (Yokkaichi, Japan)▲
Rise: 5.2m× 1unit

Installing Mitsubishi spiral escalators at both ends of the building or in two corners is a good means to increase the space efficiency of the central floor area. This arrangement easily lends itself to large-scale retail stores or art galleries and is ideal for places where people gather and where control of the pedestrian traffic flow is particularly important.
The corner wall surfaces can be used to announce events or meetings, for making suggestions to visitors, or for eye-catching decorations.



OPENING PLAN

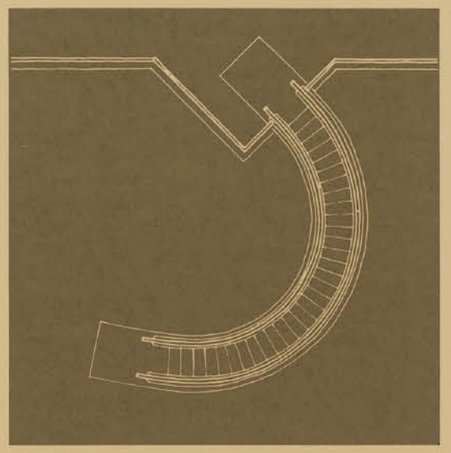
Yamako Department Store (Kofu, Japan)▲
Rise: 5.0m× 2 units

A well-designed, largely open space in the center of your building will give it the mark of superior taste while providing visitors the impression of a wide field of vision.
Riding on a Mitsubishi spiral escalator, visitors can easily view the surroundings, enjoy window shopping, and read the advertisements or notices of the building's tenants. Even greater space utilization and elegance can be achieved by installing Mitsubishi observation elevators next to our spiral escalators.

PLAZA PLAN

Hiroshima Center Building (Hiroshima, Japan)▲
Rise: 5.0m× 1 unit

This design, symbolic of a wide space, dramatically presents a broad field of vision. It creates a place where people can stop, rest, and communicate with each other, much as they do in a lobby or other comfortable public place. The second-floor bridge connects two buildings and provides a refreshing view for visitors.

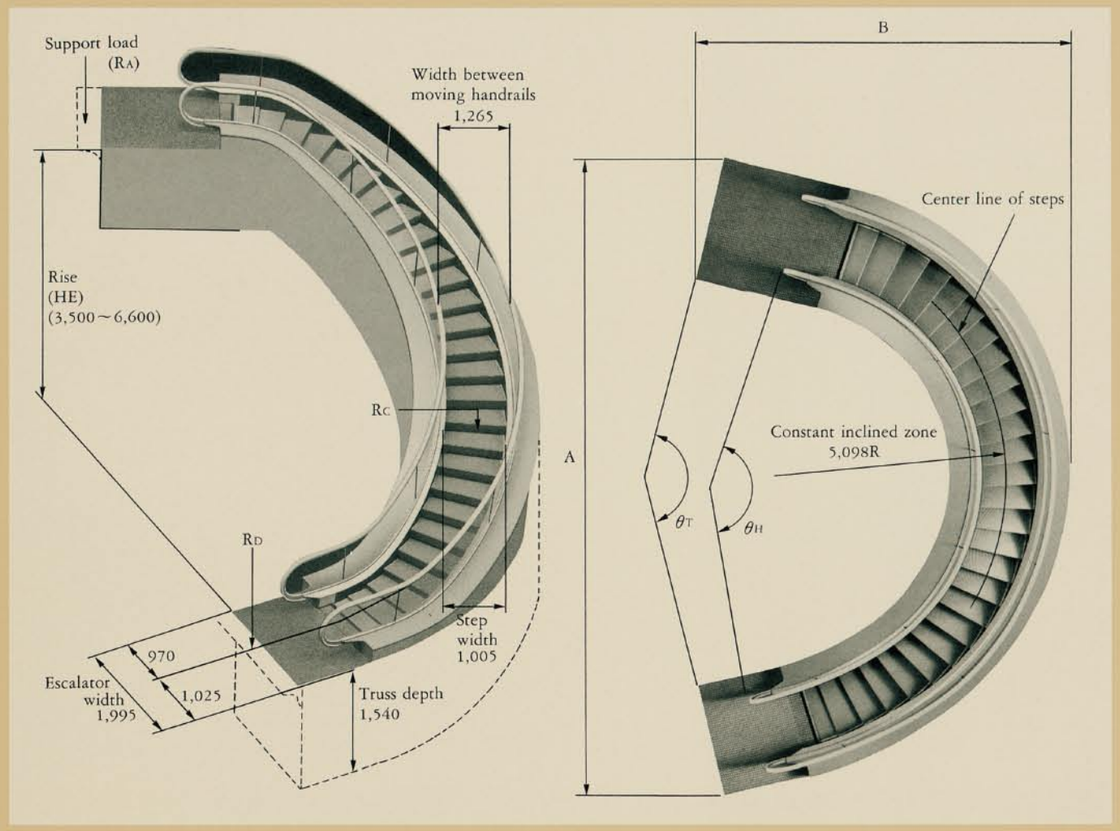


MULTIPLE PLAN

San Francisco Centre (U.S.A.)▲
Rise: 6.6m× 2/ 4.8m× 4 units

Providing an elegant image for city planning in the future, the Multiple Plan creates fantastic and graceful space. By its arrangement of spiral escalators in a continuously rising pattern, it achieves a panoramic view never before attainable. And with a spiral escalator standing at each floor like a spectacular art object, this plan is ideal for office buildings and hotels with tenants on the lower floors.

LAYOUT DATA



Standard Dimensions and Overall Loads

Rise HE (mm)	Dimension A (mm)	Dimension B (mm)	Angle between truss ends θ_T	Angle between handrail ends θ_H	Total support load $W = (R_A + R_B + R_C + R_D)$ (KN)
3,500	12,920	5,810	118.7	102.9	270
3,800	13,060	6,080	125.2	109.4	280
4,000	13,120	6,260	129.5	113.7	284
4,200	13,170	6,440	133.8	118.1	289
4,400	13,200	6,620	138.1	122.4	299
4,600	13,210	6,800	142.4	126.7	304
4,800	13,200	6,980	146.8	131.0	309
5,000	13,170	7,150	151.1	135.3	319
5,200	13,120	7,330	155.4	139.6	324
5,400	13,050	7,500	159.7	144.0	329
5,600	12,970	7,670	164.0	148.3	333
5,800	12,870	7,840	168.4	152.6	338
6,000	12,750	8,010	172.7	156.9	348
6,200	12,610	8,120	177.0	161.2	353
6,400	12,480	8,330	181.3	165.6	358
6,600	12,430	8,560	185.6	169.9	363

Notes: 1. The truss support angle is not included in dimensions A and B.
2. The loads between RA and RD will vary according to the positions of the supports; however. they will total W in the "Total support load" column.

SPECIFICATIONS

Basic Specifications

Model		1200
Effective width between balustrades		1,200mm
Step width		1,005mm
Carrying capacity		6,300 persons/ hour
Rated speed *1		25m/ min
Inclination angle *2		30°
Power source	for driving	3-phase AC200V/400V 50Hz or 210V/440V 60Hz
	for lighting inside machine room	Single-phase AC50/60Hz
Direction of curve *3		Left or right
Applicable rise		3,500～6,600mm *4

*Notes: * 1 Speed is measured at the outer side of step.*
** 2 Angle is measured at the inner side of step.*
** 3 "Left curve" is defined; when viewed from the floor plate on the lower floor, the escalator is curving to the left as it rises. "Right curve" is defined vice versa.*
** 4 Applicable rise is 3,500～6,000mm for areas following EN standard.*

List of Finishes

Balustrade	Interior panel	Curved tempered glass; Colors: clear, bronze, gray with hairline-finished stainless steel posts
	Guardrail	Extruded aluminum anodized hairline finish
	Corner deckboard	Hairline-finished stainless steel
	Outer deckboard	Hairline-finished stainless steel
	Inner deckboard	Hairline-finished stainless steel
	Skirt guard	Fluoride resin coating finished (black)
	Moving handrail	Synthetic rubber; Standard colors: deep red, blue, black
Step	Tread board	Aluminum alloy (groove color: black)
	Cleated riser	Aluminum alloy (black)
	Demarcation line	Demarcation-comb: polycarbonate resin mold (yellow); Side lines: painted (yellow)
Floor plate	Comb	Resin mold (yellow)
	Comb plate Landing plate	Stainless steel plate with anti-slip pattern (groove color: black)
	Manhole cover	Stainless steel plate with anti-slip pattern (groove color: black)

ISO 9001
BUREAU VERITAS
Certification

Mitsubishi Elevator Inazawa Works has acquired ISO 9001 certification from the International Organization for Standardization based on a review of quality management.
The company has also acquired environmental management system standard ISO 14001 certification.