

Design Graphics



**Panoramic elevator
Design**

تصميم المصاعد والسلالم الكهربائية Elevator & Escalator Design

Escalator Design

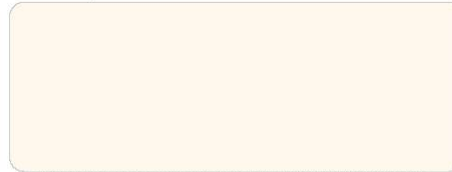
 SIGMA Elevator



SIGMA Elevator
DI SERIES - OBSERVATION



Distributed by



SIGMA constantly endeavors to improve products so that information in this catalog is subject to change without notice.

 SIGMA

المصاعد السلالمية

تصميم المصاعد والسلالم الكهربائية Elevator & Escalator Design

Escalator Design

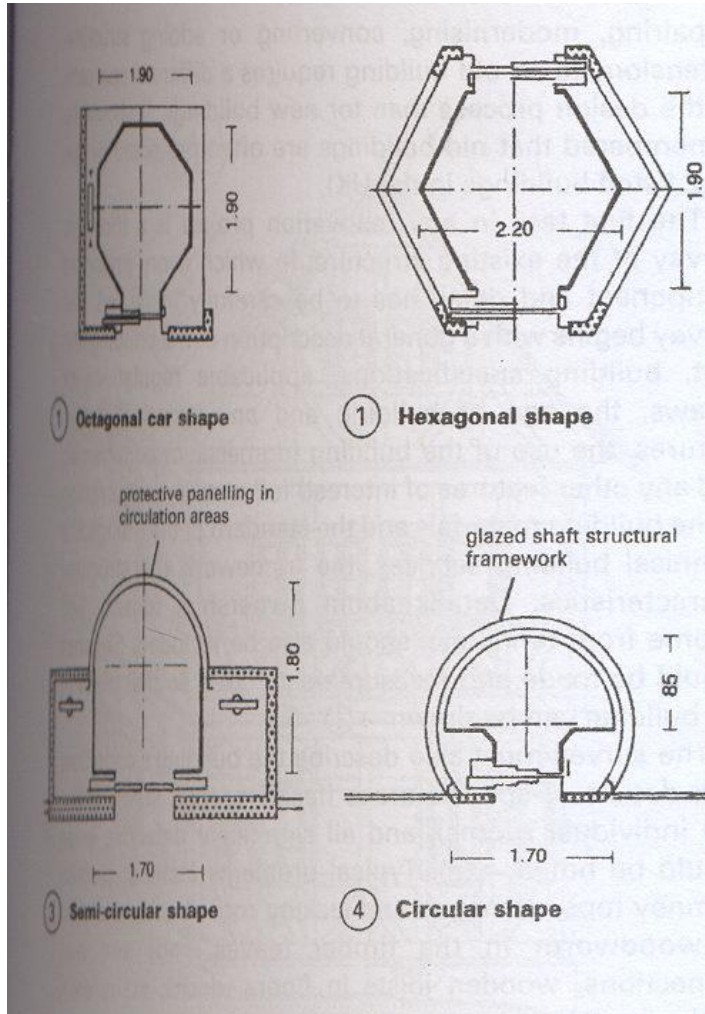
One of the most prestigious types of elevators products are panoramic elevators. They can be located in shopping and business centers, hotels, restaurants and homes.

DESIGN

تصميم المصاعد والسلالم الكهربائية

Elevator & Escalator Design

Escalator Design



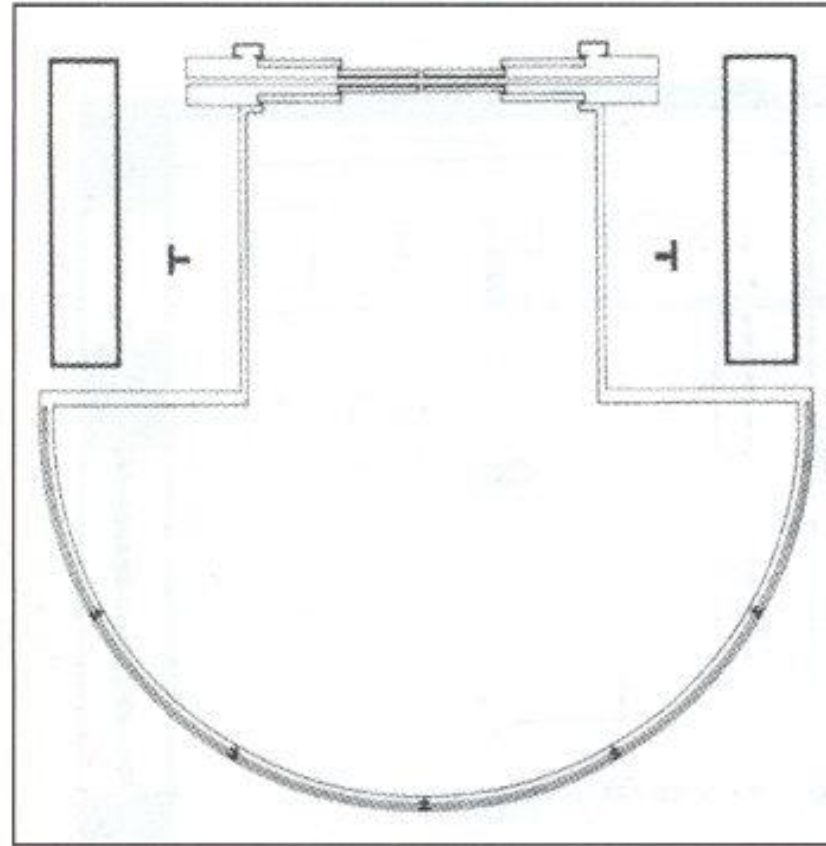
تصميم المصاعد والسلالم الكهربائية Elevator & Escalator Design

Panoramic elevator - an essential element to the architectural design of the building. These lifts are installed in order to revive the architectural ensemble and make it more stylish and attractive for visual perception.

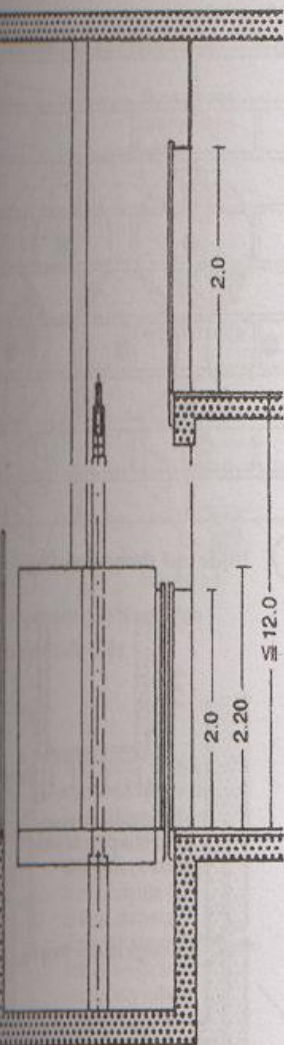
DESIGN

تصميم المصاعد والسلالم الكهربائية Elevator & Escalator Design

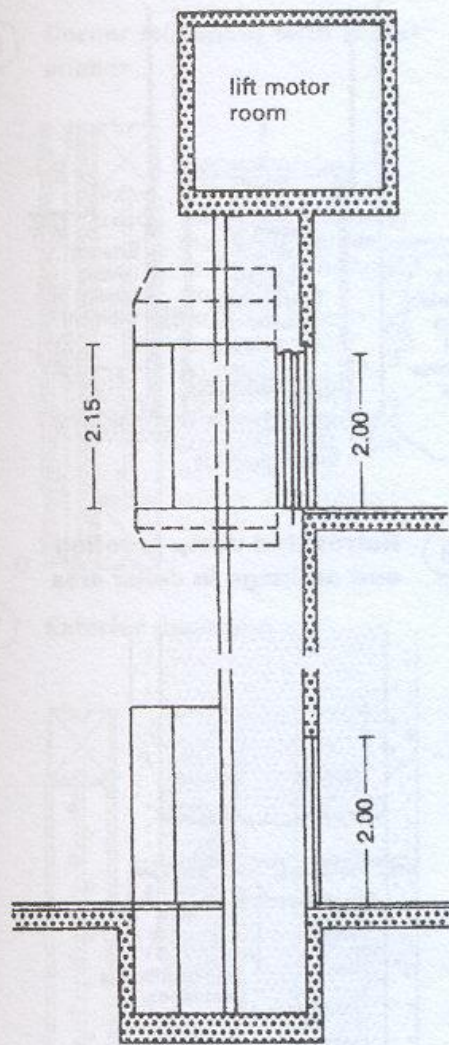
Escalator Design



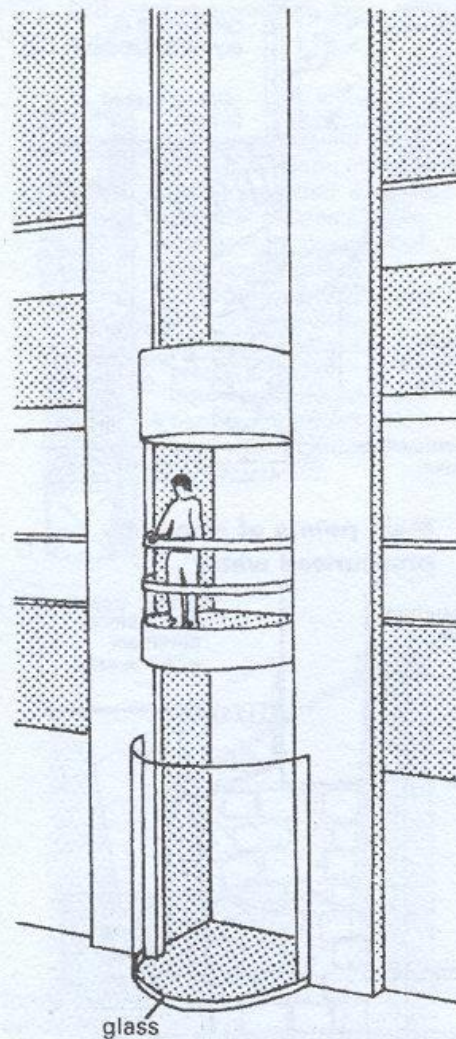
المصاعد البانورامية



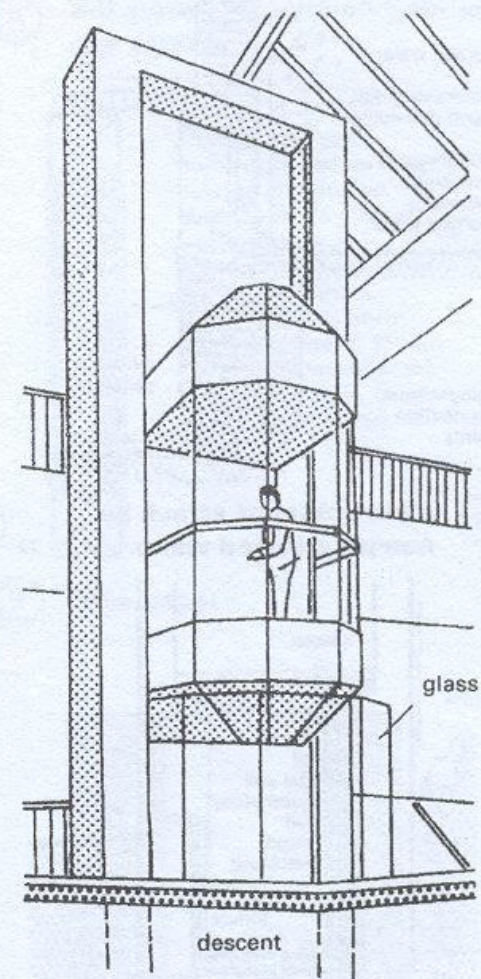
Cross-section of hydraulic lift → ③



⑧ Cross-section of cable lift



⑩ Lift on the inside of a building → ③



⑪ Panoramic lift → ⑨

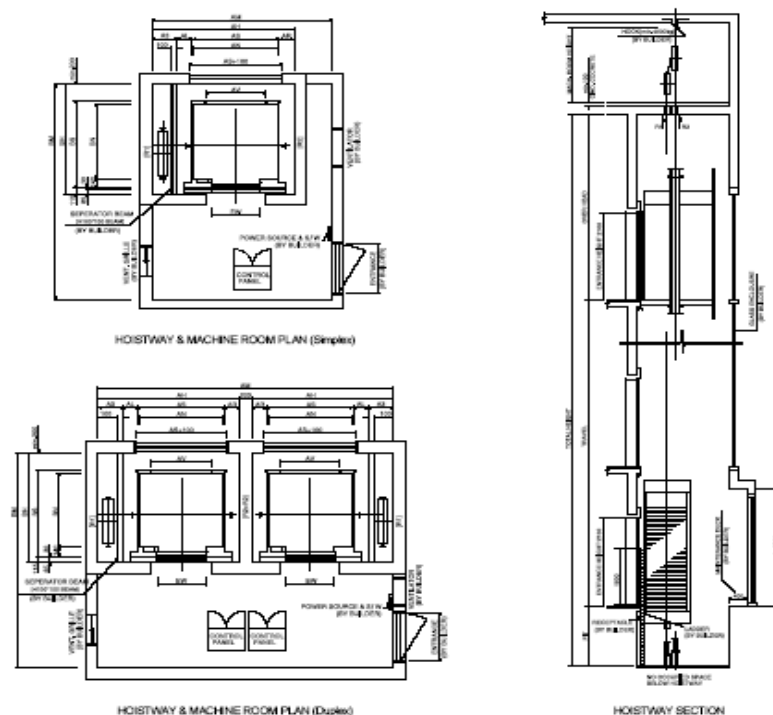
تصميم المصاعد والسلالم الكهربائية Elevator & Escalator Design

Escalator Design

Externally attractive, panoramic lifts to help passengers not only comfortable to move between floors, but also allow to get aesthetic pleasure from the contemplation of the outside of the building space, thereby increasing ridership and encouraging people to shop, which is especially important for shopping centers. For people with a fear of confined spaces are no problems with the rise in panoramic lift.

ELEVATOR LAYOUTS

1 Side View Observation Elevator Plan



1 SIDE VIEW OBSERVATION

Standard

(unit:mm)

Speed (m/min)	Person	Load (kg)	Opening (mm)	Car Size				Dimensions in Hoistway							Machine Room Size				Reaction	
				Inside		Outside		AH	BH	AV	AL	AR	AS	AM	Simplex		Duplex		R1 (kg)	R2 (kg)
				AN	BN	AS	BS								SM	BM	AM	BM		
45-105	6	450	800	1400	850	1450	1065	2200	1450	1000	175	175	400	2600	3500	4600	3500	3950	3050	3050
	8	550	900	1400	1050	1450	1255	2200	1600	1000	175	175	400	2600	3500	4600	3500	4250	3250	3250
	9	600	900	1400	1100	1450	1305	2200	1700	1000	175	175	400	2600	3500	4600	3500	4450	3450	3450
	10	630	900	1400	1250	1450	1455	2200	1850	1000	175	175	400	2600	3500	4600	3500	4650	3650	3650
	11	750	900	1400	1350	1450	1555	2200	1950	1000	175	175	400	2600	3500	4600	3500	4850	3850	3850
	12	900	900	1400	1500	1450	1655	2200	2100	1000	175	175	400	2600	3500	4600	3500	5050	4050	4050
60-105	15	1000	900	1500	1600	1550	1705	2300	2100	1300	175	175	400	3000	4000	5000	4000	5250	4250	4250
	17	1150	1000	1500	1800	1550	1770	2300	2100	1300	230	230	450	3200	4200	5200	4200	5450	4450	4450
	20	1350	1000	1500	1700	1550	1620	2300	2300	1300	230	230	450	3200	4200	5200	4200	5650	4650	4650
	23	1550	1100	2000	1750	2050	1970	3000	2550	1500	230	230	450	3400	4500	5500	4500	6050	5050	5050

EN Code

Speed (m/min)	Person	Load (kg)	Opening (mm)	Car Size				Dimensions in Hoistway							Machine Room Size				Reaction	
				Inside		Outside		AH	BH	AV	AL	AR	AS	AM	Simplex		Duplex		R1 (kg)	R2 (kg)
				AN	BN	AS	BS								SM	BM	AM	BM		
45-105	6	450	800	1400	850	1450	1065	2200	1450	1000	175	175	400	2600	3500	4600	3500	3950	3050	3050
	7	525	900	1400	1050	1450	1235	2200	1600	1000	175	175	400	2600	3500	4600	3500	4250	3250	3250
	8	500	900	1400	1100	1450	1305	2200	1700	1000	175	175	400	2600	3500	4600	3500	4450	3450	3450
	9	575	900	1400	1250	1450	1455	2200	1850	1000	175	175	400	2600	3500	4600	3500	4650	3650	3650
	10	600	900	1400	1350	1450	1555	2200	1950	1000	175	175	400	2600	3500	4600	3500	4850	3850	3850
	12	900	900	1500	1500	1450	1655	2200	2100	1000	175	175	400	2600	3500	4600	3500	5050	4050	4050
60-105	15	1000	900	1500	1600	1550	1705	2300	2100	1300	175	175	400	3000	4000	5000	4000	5250	4250	4250
	17	1250	1000	1500	1800	1550	1720	2300	2100	1300	230	230	450	3200	4200	5200	4200	5450	4450	4450
	18	1350	1000	1500	1700	1550	1620	2300	2300	1300	230	230	450	3200	4200	5200	4200	5650	4650	4650
	21	1600	1100	2000	1750	2050	1970	3000	2550	1500	230	230	450	3400	4500	5500	4500	6050	5050	5050

Singapore & Malaysia

Speed (m/min)	Person	Load (kg)	Opening (mm)	Car Size				Dimensions in Hoistway							Machine Room Size				Reaction	
				Inside		Outside		AH	BH	AV	AL	AR	AS	AM	Simplex		Duplex		R1 (kg)	R2 (kg)
				AN	BN	AS	BS								SM	BM	AM	BM		
45-105	6	450	800	1400	850	1450	1065	2200	1450	1000	175	175	400	2600	3500	4600	3500	3950	3050	3050
	8	545	900	1400	1050	1450	1235	2200	1600	1000	175	175	400	2600	3500	4600	3500	4250	3250	3250
	9	610	900	1400	1100	1450	1305	2200	1700	1000	175	175	400	2600	3500	4600	3500	4450	3450	3450
	10	630	900	1400	1250	1450	1455	2200	1850	1000	175	175	400	2600	3500	4600	3500	4650	3650	3650
	11	750	900	1400	1350	1450	1555	2200	1950	1000	175	175	400	2600	3500	4600	3500	4850	3850	3850
	12	900	900	1500	1500	1450	1655	2200	2100	1000	175	175	400	2600	3500	4600	3500	5050	4050	4050
60-105	15	1000	900	1500	1600	1550	1705	2300	2100	1300	175	175	400	3000	4000	5000	4000	5250	4250	4250
	17	1250	1000	1500	1800	1550	1720	2300	2100	1300	230	230	450	3200	4200	5200	4200	5450	4450	4450
	18	1350	1000	1500	1700	1550	1620	2300	2300	1300	230	230	450	3200	4200	5200	4200	5650	4650	4650
	20	1550	1100	2000	1750	2050	1970	3000	2550	1500	230	230	450	3400	4500	5500	4500	6050	5050	5050

	Speed (m/min)	APPLICATION AREA			
		Standard	EN Code	Malaysia	Singapore
OVER-HEAD (mm) (P.U.P.T. : 3000mm)	60	4500	4500	4500	4500
	90	5000	4800	4800	4800
	125	5200	4700	4700	4700
RT DEPTH (mm)	60	2000	2000	2000	2000
	90	2100	2100	2100	2100
	125	2200	2200	2200	2200
MACHINE ROOM HEIGHT (mm)	Load / 1500	2300	2300	2700	2300
	Load / 1500	2800	2800	2700	2800

تصميم المصاعد والسلالم الكهربائية

Elevator & Escalator Design

Escalator Design

cabin options:

- 630kg load capacity; internal dimensions: 1100mm x 1400mm, 1100mm x 2100mm; door opening: 800mm, 900mm;
- 1000 kg load capacity; internal dimensions: 1100mm x 2100mm; door opening: 800mm, 900mm;
- panoramic elevators with glass overview of the coupe in the form of semi-circular laminated glass installed to the full height.

تصميم المصاعد والسلالم الكهربائية

Elevator & Escalator Design

cabin options:

- 630kg load capacity; internal dimensions: 1090mm x 1585mm, door opening: 800mm;
- 1000 kg load capacity, internal dimensions: 1090mm x 2100mm, door opening: 800mm, 900mm;
- panoramic elevators with glass walls all the compartments in the form of a laminated flat glass installed to the full height glazed doors and the car and shaft, with a passable and non-passable options.

تصميم المصاعد والسلالم الكهربائية

Elevator & Escalator Design

Escalator Design

cabin options:

- 630kg load capacity; internal dimensions: 1100mm x 1400mm, door opening: 800mm, 900mm;
- - lifting capacity 1000kg; internal dimensions: 1100mm x 2100mm, 1600mm x 1400mm; door opening: 800mm, 900mm, 1000mm.

DESIGN

تصميم المصاعد والسلالم الكهربائية Elevator & Escalator Design

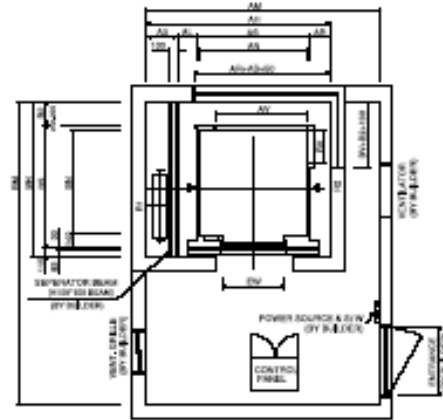
Escalator Design

View Observation Elevator Plan

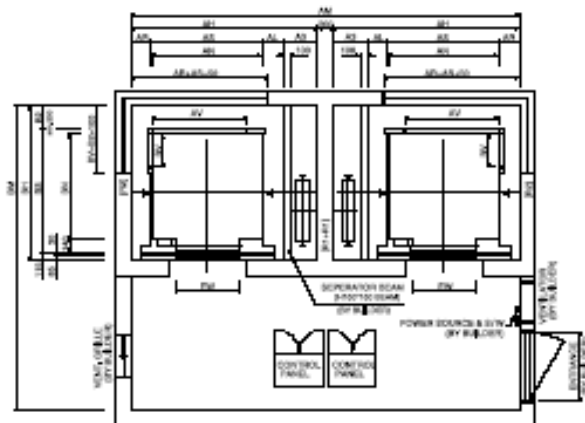
The most prominent feature of panoramic elevators that distinguishes them from other elevator models is that one or few walls of cabin is/are made of glass.

تصميم المصاعد والسلالم الكهربائية
Elevator & Escalator Design

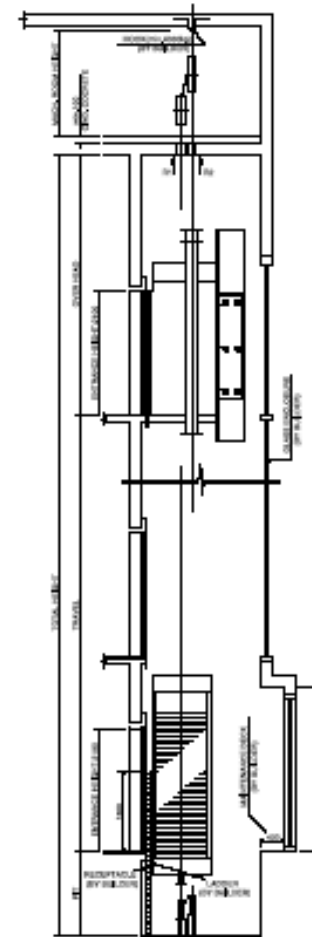
Escalator Design



HOISTWAY & MACHINE ROOM PLAN (Simplex)



HOISTWAY & MACHINE ROOM PLAN (Duplex)



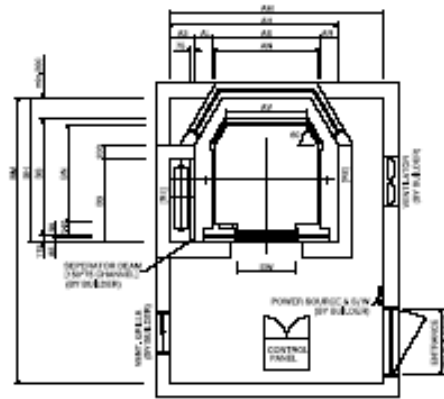
HOISTWAY SECTION

2 Side View Observation Elevator Plan

تصميم المصاعد والسلالم الكهربائية

Elevator & Escalator Design

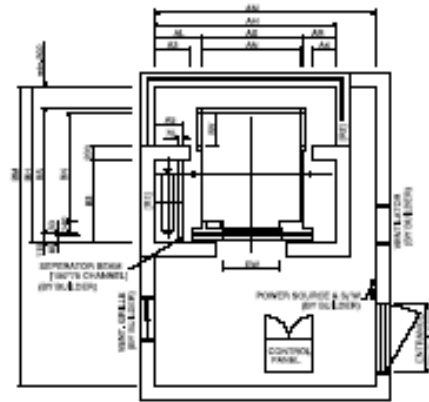
Escalator Design



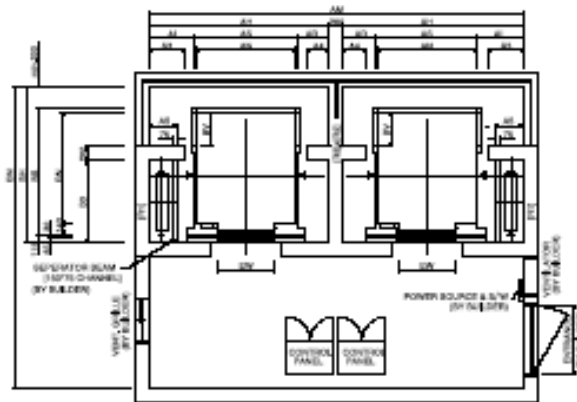
تصميم المصاعد والسلالم الكهربائية

Elevator & Escalator Design

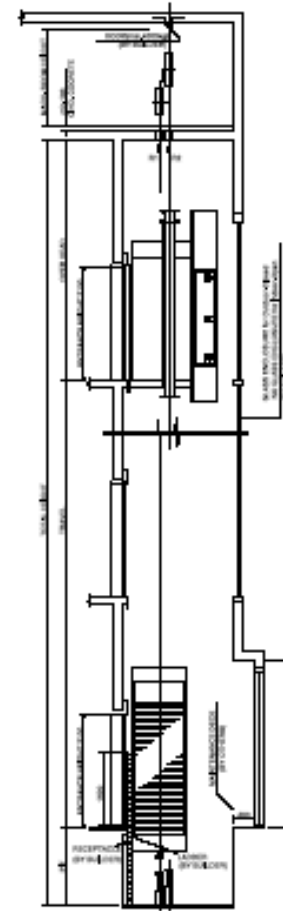
Escalator Design



HOISTWAY & MACHINE ROOM PLAN (Simple)



HOISTWAY & MACHINE ROOM PLAN (Duplex)



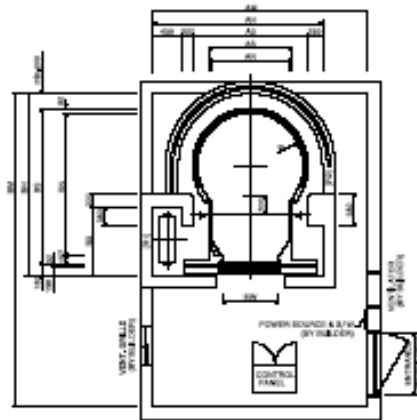
HOISTWAY SECTION

**3 Side
Rectangular
Observation
Elevator Plan**

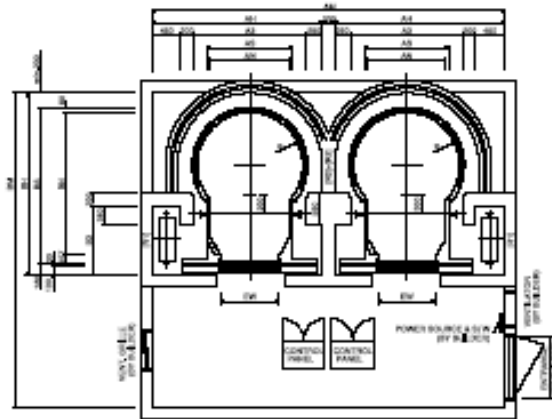
تصميم المصاعد والسلالم الكهربائية

Elevator & Escalator Design

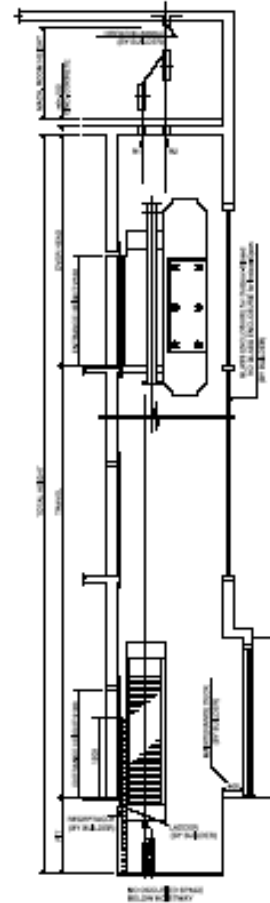
Escalator Design



HOISTWAY & MACHINE ROOM PLAN (Simplex)



HOISTWAY & MACHINE ROOM PLAN (Duplex)



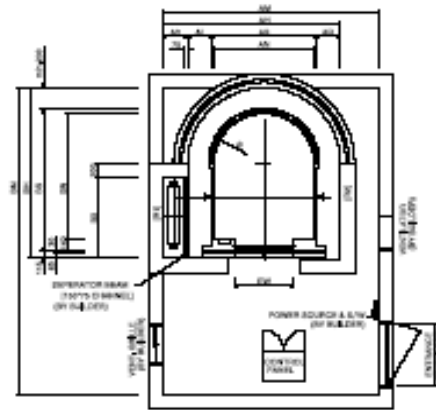
HOISTWAY SECTION

**Birdcage
Observation
Elevator Plan**

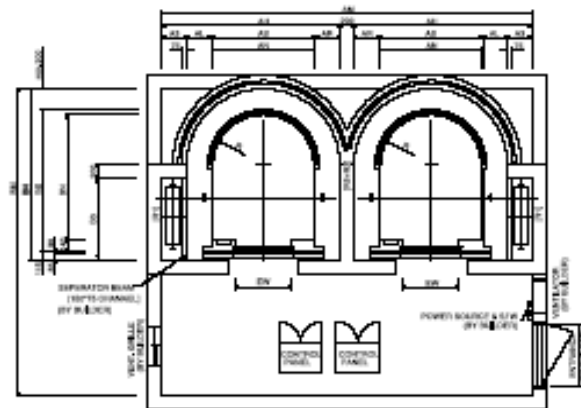
تصميم المصاعد والسلالم الكهربائية

Elevator & Escalator Design

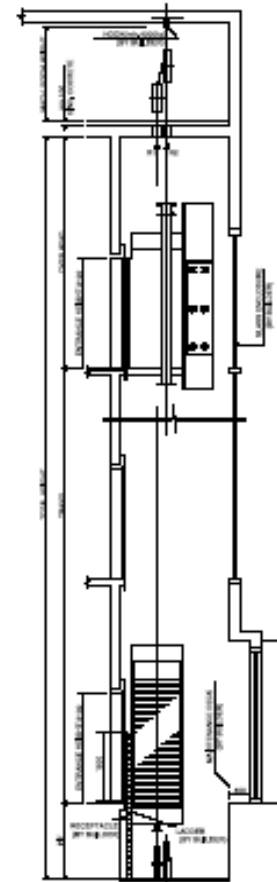
Escalator Design



HOISTWAY & MACHINE ROOM PLAN (Simplex)



HOISTWAY & MACHINE ROOM PLAN (Duplex)

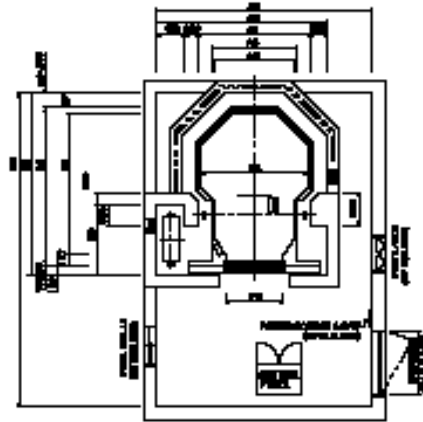


HOISTWAY SECTION

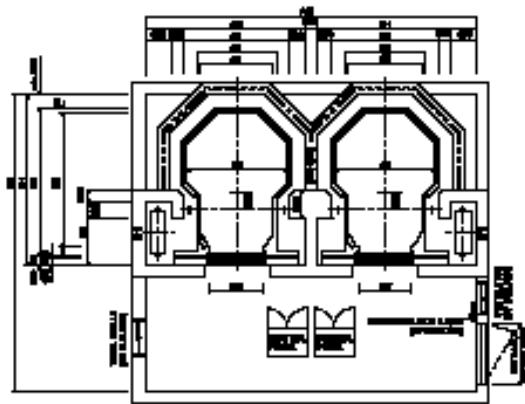
**Round
Observation
Elevator Plan**

تصميم المصاعد والسلالم الكهربائية Elevator & Escalator Design

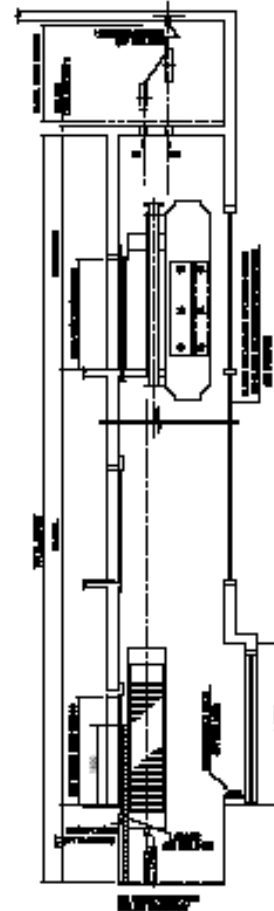
Escalator Design



HOISTWAY & MACHINE ROOM PLAN (Simple)



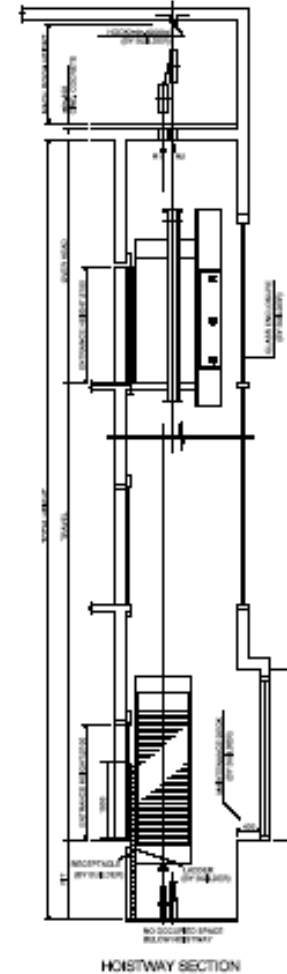
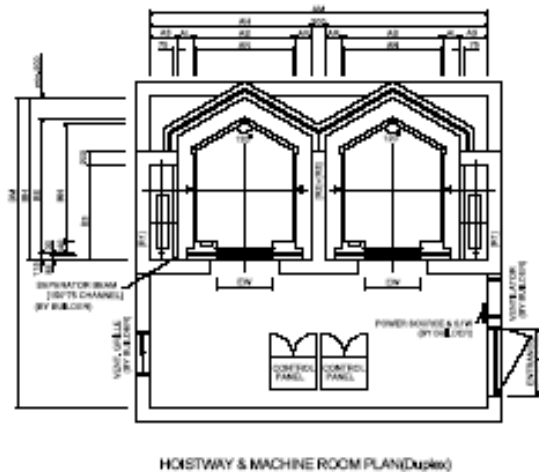
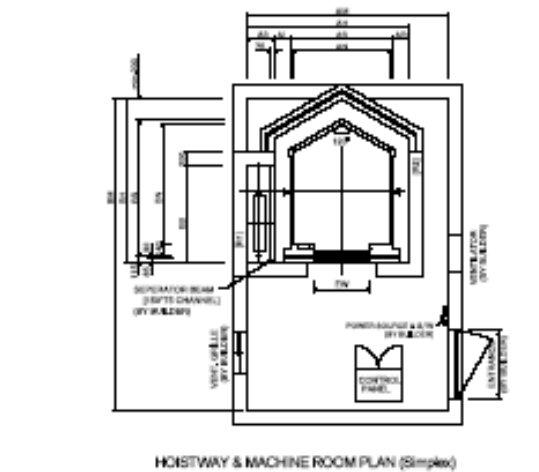
HOISTWAY & MACHINE ROOM PLAN (Duplex)



HOISTWAY SECTION

**Octagonal
Observation
Elevator Plan**

تصميم المصاعد والسلالم الكهربائية Elevator & Escalator Design



**Pentagonal
Observation Elevator
Plan**

تصميم المصعد والسلالم Elevator & Escalator Design

Thus they offer you a visual pleasure. These glasses should be infrangible or made of safety glass for the safety of panoramic elevator users.

They have varied carrying capacities from 4 persons to 21 persons.

Because of glass walls they offer great visual pleasure to their users. And also by the reason that the person/persons may see the outside of the elevator cabin as traveling, they are more relaxing if comparing with the others and they are restful for the persons who have fear of elevators.

DESIGN

تصميم المصاعد والسلالم الكهربائية

Elevator & Escalator Design

Escalator Design

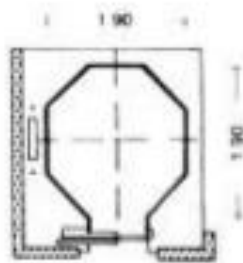
Another feature of panoramic lifts is the ability of being mounted both outside and inside the construction. Therefore this ability creates another advantage for usage space inside the construction. As considering posture of construction, the models of panoramic elevators may be of structure in round, square, triangular etc.

Important! Panoramic Elevators should be overhauled by periodical and general elevator maintenances that authorized elevator maintenance firms make.

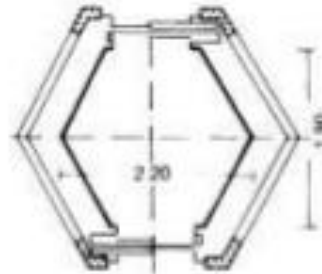
Human life is more important and valuable than anything else.

Types of Elevators

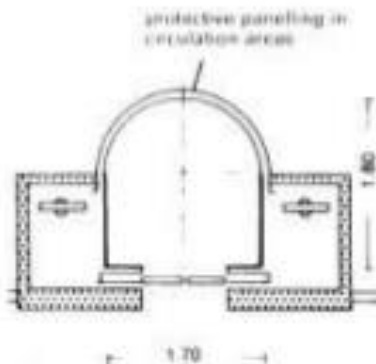
Panoramic Elevators-



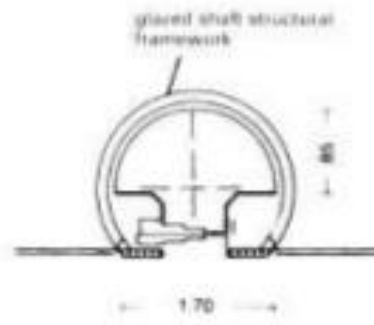
① Octagonal car shape



② Hexagonal shape



③ Semi-circular shape



④ Circular shape







والله ولي التوفيق ،،
