




montgomery[®]
moves people

ELEVATORS
ESCALATORS
POWER WALKS
& RAMPS



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COVER Pacific Place
Dallas, Texas
TOP Shell Oil Company
Woodcreek Offices
Houston, Texas
LEFT State Capitol Building
Sacramento, California
RIGHT Parking Deck
Portland, Oregon





FOR NEARLY 90 YEARS

The Montgomery Elevator Company has maintained the highest standard of quality in design and manufacture of vertical transportation equipment. During these years, Montgomery Elevator Company has provided equipment for a wide variety of vertical transportation requirements.

PRODUCTS

Montgomery's full product line includes: Electric Elevators - Geared, Gearless and Oil Hydraulic, Passenger and Freight; Standard Pre-Manufactured Passenger Elevators - Geared or Oil Hydraulic; Escalators; Power Walks and Power Ramps; Electric Dumbwaiters; Stage, Sidewalk and Other Special Lifts; Cross Over Bridges; Solid State Controls.

RESEARCH & DEVELOPMENT

A continuing program of research and development is a major Montgomery effort. Specialized equipment in Montgomery's tower laboratory provides facilities for engineered-testing of existing and proposed elevator equipment. Montgomery's search for improved design, greater safety and more economical operation is unending.

SALES & SERVICE

The Montgomery Sales and Service organization, second largest in the industry, has more than 200 offices throughout North America (U.S., Canada, Mexico, Caribbean) and overseas. Montgomery is the largest independent exclusive elevator and escalator manufacturer in the Western Hemisphere.

Montgomery's eight manufacturing facilities, each fully staffed for the manufacture and assembly of elevator and escalator equipment are: Moline, Illinois (4); McKinney, Texas; Philadelphia, Pennsylvania; Arkansas City, Kansas; and Toronto, Canada.

The Western Manufacturing Division has facilities in Arkansas City, Kansas, for the manufacture of elevator cars and entrances. Guilbert, Inc., Philadelphia, Pennsylvania, manufactures manual and power operated doors for freight elevators, and also manufactures dumbwaiters.

Montgomery's Canadian corporation headquarters in Toronto covers both the Eastern and Western Divisions.

The Eastern Canada division of Montgomery has served Eastern Canada for over 50 years. The Eastern Canada division has greatly expanded manufacturing capabilities to produce the full Montgomery line, including escalators and Miprom Group Supervisory Control elevator systems.

The Western Canada division, established in 1919 in Vancouver, has always enjoyed a leading position in the elevator/escalator industry in Western Canada.

TOP First Canadian Place,
Banking Pavilion,
Toronto, Canada
BOTTOM Adolphus Hotel
Dallas, Texas





montgomery[®]

CONTROL SYSTEMS

SSC-6010[®] solid state elevator power control

Montgomery SSC-6010 is a variable voltage elevator power control system that incorporates completely static control for adjustable speed, acceleration and deceleration, precise leveling accuracy and exceptionally smooth stops.

Montgomery's SSC-6010 is designed for all traction elevators, geared and gearless, operating between speeds of 100-1200 fpm.

By eliminating the motor-generator set with its greater power consuming characteristics, the new Montgomery SSC-6010 solid state elevator power control system will reduce elevator power bills up to 30% per elevator. The secret is a transistor-like device called a thyristor which enables the Montgomery SSC-6010 to convert A.C. line power directly to controlled D.C. power.

The SSC-6010 offers many more benefits. By eliminating the motor-generator set, less machine room space is required and machine room loads are reduced. The entire system produces less heat which means longer equipment life and lower machine room ventilating and air conditioning requirements.



The Montgomery SSC-6010 adjusting section revolutionizes elevator adjusting, previously a tedious task consuming many man-hours. With SSC-6010, trained Montgomery technicians can quickly tune the system for most desirable performance by simply making potentiometer adjustments such as high speed, first slow down, leveling, field gain, acceleration slope, stability, response, speed gain, maximum current, etc. which achieve excellent long-term stability.

miprom[®] microprocessor elevator logic control

Montgomery MIPROM[®] is a microprocessor elevator logic control for the mass elevator market. From the most basic two landing oil hydraulic elevators to low and medium rise buildings using geared traction elevators as well as high rise buildings having high speed gearless traction elevators, MIPROM[®] once "state of the art" is a standard.

Montgomery pioneered and developed MIPROM[®] to offer a compact electronic elevator logic control having superior reliability, reprogrammable flexibility and ease of maintenance. All MIPROM[®] logic controls are strategically programmed for each individual application providing optimum service and efficiency. This allows MIPROM[®] to constantly monitor building traffic requirements so that it can modify its normal operation to respond to all traffic conditions experienced throughout the day.

Montgomery MIPROM[®] consists of a standardized solid-state modular hardware package utilizing microprocessors to create an electronic brain which performs computer functions. The microprocessor correlates signals from the elevator and multiple programmable memories, then transmits logic instructions to the elevator. All decisions are made in a matter of milliseconds.

SOUND INVESTMENT FOR BUILDING OWNERS.

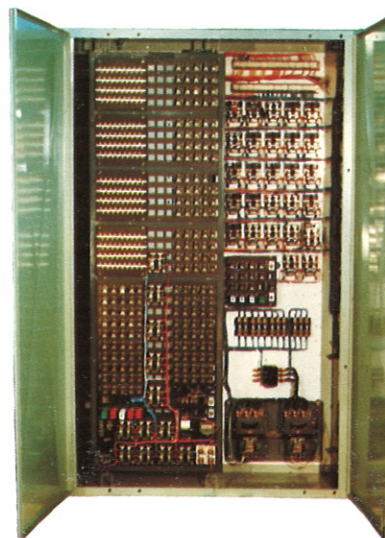
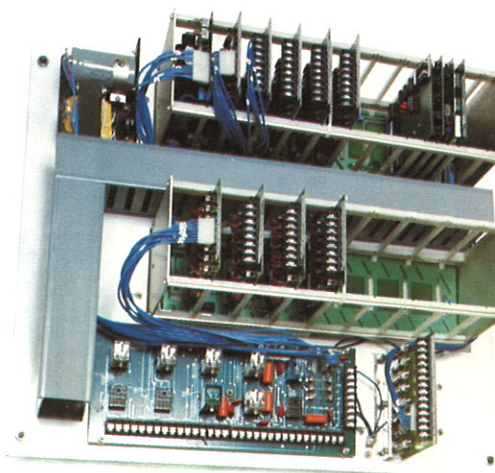
Here are important reasons why Montgomery MIPROM[®] is a sound investment for building owners.

- 1. High Reliability.** Electronic solid-state components, tested by being subjected to environmental extremes, provide the highest possible reliability.
- 2. Programmable Flexibility.** Montgomery MIPROM[®] reprograms for changed building traffic patterns or other building elevator needs by exchanging the plug-in memory microprocessors — EPROM (Erasable Programmable Read Only Memory).
- 3. Economical.** Montgomery MIPROM[®] costs less to maintain because of design, production standardization, miniaturization (the system requires up to 80% less space than most other elevator logic controls) and high reliability.

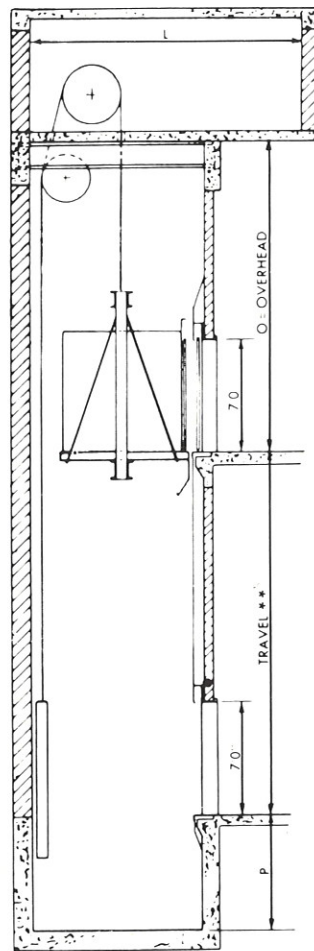
hardwired control system

Montgomery's complete line of control equipment is well known for its reliability and ease of maintenance. Illustrated is a single module of control. Built-in electrical selector eliminates a myriad of moving parts and associated maintenance problems.

Whereas MIPROM[®] elevator logic control systems (see above) are modularly designed, mass produced and programmed (and reprogrammable), this hardwired control (illustrated at right) is custom engineered to specifications. It ranges from slow, single speed elevator controls to complex systems. Control modules are utilized as required to provide efficient applications. Each control receives a complete operational test before being installed by trained Montgomery technicians. Efficient and dependable elevator operation results.



PASSENGER ELEVATORS



high speed traction

High-Speed Traction Elevators meet the need for high quality performance, with speeds to 1200 fpm. Heavy traffic demands are served by Group Supervisory Control Systems.

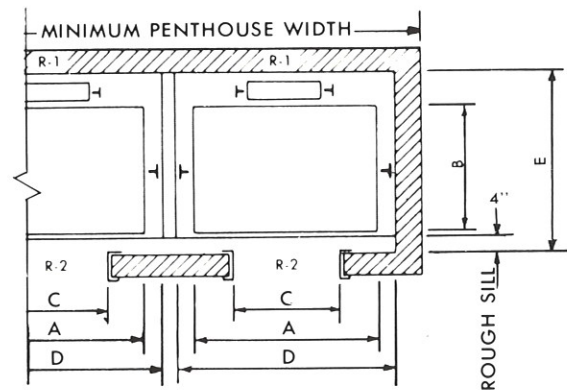
HANDICAPPED REQUIREMENTS AVAILABLE TO MEET NEII STANDARDS OR LOCAL CODES

National Elevator Industry, Inc. (NEII) Handicapped Standards are:

Placement of car controls, hall buttons and phone (or intercommunication equipment) for easy access.

Tactile markings for operating switches, buttons and hoistway door jams.

Handrails in car — dual ray door protection — audible signals in car position indicator and lanterns.



PLAN FOR ONE OR MORE ELEVATORS
CENTER OPENING DOORS SHOWN

RECOMMENDED SIZES AND CAPACITIES

TYPE BUILDING	AVERAGE OFFICE HOTEL		LARGE OFFICE OR STORE				
CAPACITY	2500 #	3000 #	3500 #				
A	7'- 0"	7'-0"	7'-0"				
B	5'- 0"	5'-6"	6'-2"				
C	3'- 6"	3'-6"	3'-8"				
*D	8'- 4"	8'-4"	8'-4"				
*E	6'-10"	7'-4"	8'-0"				
MINIMUM PIT—OVERHEAD & MACHINE ROOM DIMENSIONS							
SPEED	400	500	600	700	*800	*1000	*1200
***L	20'-0"	20'-0"	20'-0"	20'-0"	21'- 6"	22'- 6"	22'-6"
O	17'-7"	18'-4"	19'-5"	21'-6"	21'-11"	25'- 6"	27'-0"
P	7'-4"	8'-8"	8'-11"	12'-6"	12'- 6"	12'-10"	15'-2"

NOTES:

1. Reactions include allowances for impact but DO NOT include weight of concrete slab.
2. Pit depths, overhead clearance and penthouse sizes are in accordance with ANSI/ASME code requirements. Local codes may vary these requirements.
3. Layouts and dimensions shown are for center opening type entrances.
4. Consult your Montgomery Representative for specific recommendations where space is limited or other conditions may necessitate further study.
5. All data is general. Consult your local Montgomery Representative for exact information for your working drawings.

* Add 2" to dimension D for car speed over 700 fpm.

** When car travel is over 150', add ¼" to overall hoistway width and depth for each additional 25'.

***L dimensions may be reduced when SSC-6010 solid state elevator power control and MIPROM microprocessor logic control are furnished. Consult your local Montgomery Representative.

OVERHEAD LOADS/LBS. APPROXIMATE PER ELEVATOR

CAPACITY	SPEED	R-1	R-2
2500 #	400	25000	15000
	500	26000	16000
	600	28000	18000
	700	29000	19000
	800	30000	20000
	1000	31000	21000
	1200	32000	22000
3000 #	400	26000	15000
	500	27000	16000
	600	29000	18000
	700	30000	19000
	800	31000	20000
	1000	32000	21000
	1200	33000	22000
3500 #	400	30000	21000
	500	32000	22000
	600	34000	23500
	700	36000	25000
	800	39000	27500
	1000	42000	29000
	1200	44000	30000



montgomery[®] PASSENGER ELEVATORS

medium and low speed traction

Medium and Low Speed Traction Elevators perform efficiently and economically when serving traffic demands in medium and low rise buildings.

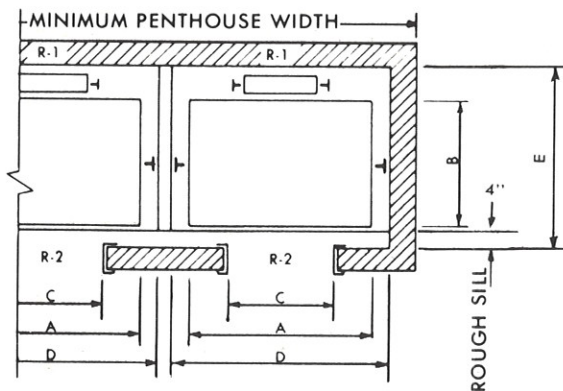
HANDICAPPED REQUIREMENTS AVAILABLE TO MEET NEII STANDARDS OR LOCAL CODES

National Elevator Industry, Inc. (NEII) Handicapped Standards are:

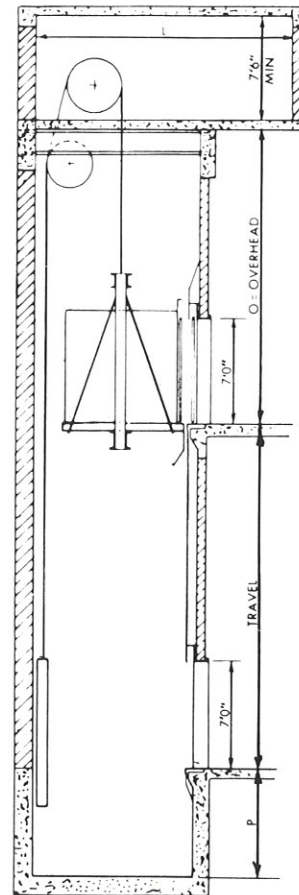
Placement of car controls, hall buttons and phone (or intercommunication equipment) for easy access.

Tactile markings for operating switches, buttons and hoistway door jambs.

Handrails in car — dual ray door protection — audible signals in car position indicator and lanterns.



PLAN FOR ONE OR MORE ELEVATORS
CENTER OPENING DOORS SHOWN



RECOMMENDED SIZES AND CAPACITIES

TYPE BUILDING	SMALL APART-MENT	SMALL OFFICE	AVERAGE OFFICE HOTEL		LARGE OFFICE OR STORE
CAPACITY	1500#	2000#	2500 #	3000#	3500#
A	4'-10"	6'-0"	7'-0"	7'-0"	7'-0"
B	5'-0"	5'-0"	5'-0"	5'-6"	6'-2"
C	2'-8"	3'-0"	3'-6"	3'-6"	3'-6"
D	6'-2"	7'-4"	8'-4"	8'-4"	8'-4"
E	6'-10"	6'-10"	6'-10"	7'-4"	8'-0"

MINIMUM PIT - OVERHEAD & MACHINE ROOM DIMENSIONS						
SPEED	100	200	250	300	350	400
L	16'-0"	16'-0"	16'-0"	17'-0"	17'-0"	20'-0"
O	15'-6"	15'-2"	16'-2"	16'-4"	16'-6"	17'-7"
P (a)	4'-0"	200	-	-	-	-
P (b)	-	4'-0"	4'-6"	4'-6"	5'-1"	5'-7"
P (c)	-	5'-8"	6'-0"	6'-6"	6'-11"	7'-4"

P (a) indicates minimum pit required for elevators with type "A" safety.
P (b) indicates minimum pit required for elevators with type "B" safety.
P (c) indicates minimum pit required for elevators with type "C" safety.

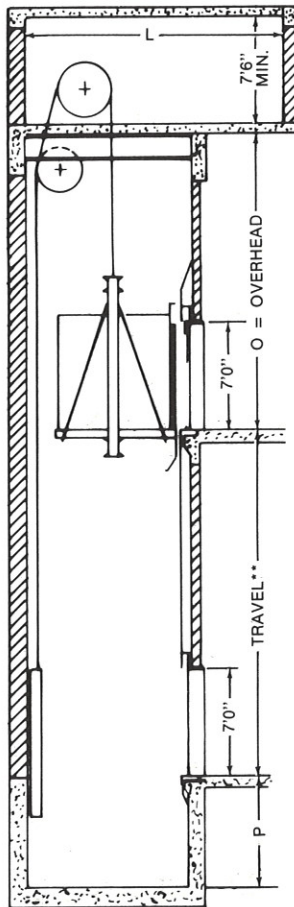
NOTES:

- Reactions include allowances for impact but DO NOT include weight of concrete slab.
- Pit depths, overhead clearance and penthouse sizes are in accordance with ANSI/ASME code requirements. Local codes may vary these requirements.
- Layouts and dimensions shown are for center opening type entrances.
- Consult your Montgomery Representative for specific recommendations where space is limited or other conditions may necessitate further study.
- All data is general. Consult your local Montgomery Representative for exact information for your working drawings.

OVERHEAD LOAD/LBS. APPROXIMATE PER ELEVATOR

CAPACITY	R-1	R-2
1500	13800	7900
2000	18500	9500
2500	22000	11500
3000	23000	11500
3500	24500	13000

PASSENGER ELEVATORS



spm[®] standard pre-manufactured traction elevators

SPM elevators perform efficiently and economically when serving traffic demands in medium and low rise buildings. Standard pre-manufacturing by Montgomery means lower cost to the owner, faster delivery and installation while maintaining "custom" quality.

SPM elevators have capacities of 2500, 3000, 4000 and 4500 pounds and offer speeds of 200 or 350 FPM. They are offered in single or multiple car operation up to a 4 car group. Flexibility is offered in entrance and fixture selection, and optional decor and finishes.

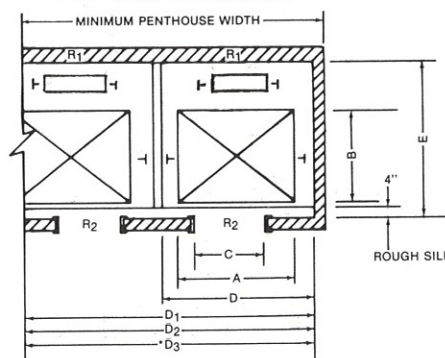
HANDICAPPED REQUIREMENTS AVAILABLE TO MEET NEII STANDARDS OR LOCAL CODES

National Elevator Industry, Inc. (NEII) Handicapped Standards are:

Placement of car controls, hall buttons and phone (or intercommunication equipment) for easy access. Tactile markings for operating switches, buttons and hoistway door jambs.

Handrails in car — dual ray door protection — audible signals in car position indicator and lanterns.

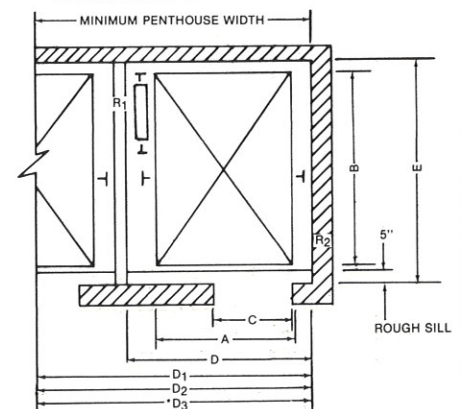
SPM-G2500 & SPM-G3000



PLAN FOR ONE OR MORE ELEVATORS
CENTER OPENING DOORS SHOWN —
SINGLE SLIDE OPTIONAL

*See comment at bottom of data chart

SPM-G4000 & SPM-G4500



PLAN FOR ONE OR MORE ELEVATORS
TWO SPEED RIGHT HAND ENTRANCE SHOWN
(TWO SPEED LEFT HAND ALSO AVAILABLE)

NOTES:

- Reactions include allowances for impact but DO NOT include weight or concrete slab.
- Pit depths, overhead clearance and penthouse sizes are in accordance with ANSI/ASME code requirements. Local codes may vary these requirements.
- Consult your Montgomery Representative for specific recommendations where space is limited or other conditions may necessitate further study.
- All data is general. Consult your local Montgomery Representative for exact information for your working drawings.
- For complete details ask for Montgomery brochure SF2056-R28.

*When building or elevator code requires 4 car systems to be placed into 2 hoistways, this dimension must be increased. Consult your local Montgomery Representative.

**Subject to vertical transportation study.

DATA				
CAPACITIES — SPEED — GENERAL ARRANGEMENTS — SPACE REQUIREMENTS				
Model	Passenger Elevator SPM-G2500	Passenger Elevator SPM-G3000	Passenger Elevator SPM-G4000	Passenger Elevator SPM-G4500
Capacity — Pounds	2500	3000	4000	4500
Speed FPM	200 or 350	200 or 350	200 or 350	200 or 350
**Maximum Travel	200'-0"	200' for 200 FPM 300' for 350 FPM	200'-0"	200' for 200 FPM 300' for 350 FPM
Maximum No. of Stops	16 for 200 FPM 20 for 350 FPM	16 for 200 FPM 30 for 350 FPM	16 for 200 FPM 20 for 350 FPM	16 for 200 FPM 25 for 350 FPM
Platform Size Width x Depth (A) x (B)	7'-0" x 5'-0"	7'-0" x 5'-6"	5'-8" x 8'-9"	5'-8" x 9'-4"
Clear Car Size Width x Depth	6'-8" x 4'-3"	6'-8" x 4'-9"	5'-4" x 7'-11"	5'-4" x 8'-6"
Hoistway Entrance and Car Door Arrangement	Center Opening Standard — Single Slide Optional	Center Opening Standard — Single Slide Optional	Two Speed	Two Speed
Entrance Size Width x Height (C) x (7'-0")	3'-6" x 7'-0"	3'-6" x 7'-0"	4'-0" x 7'-0"	4'-0" x 7'-0"
Hoistway Dimensions				
Clear Width				
1 Car	D 8'-4"	D 8'-4"	D 7'-8"	D 7'-8"
2 Cars	D1 17'-0"	D1 17'-0"	D1 15'-8"	D1 15'-8"
3 Cars	D2 25'-8"	D2 25'-8"	D2 23'-8"	D2 23'-8"
*4 Cars	D3 34'-4"	D3 34'-4"	D3 31'-8"	D3 31'-8"
Wall to Wall Depth				
1 to 4 Cars	E 6'-7"	E 7'-1"	E 9'-8"	E 10'-3"
Overhead	O 15'-4" @ 200 FPM 16'-0" @ 350 FPM	O 15'-6" @ 200 FPM 16'-2" @ 350 FPM	O 15'-9" @ 200 FPM 16'-5" @ 350 FPM	O 15'-9" @ 200 FPM 16'-5" @ 350 FPM
Pit	P 5'-0" @ 200 FPM 6'-0" @ 350 FPM	P 5'-0" @ 200 FPM 6'-0" @ 350 FPM	P 5'-0" @ 200 FPM 6'-0" @ 350 FPM	P 5'-0" @ 200 FPM 6'-0" @ 350 FPM
Machine Room Size				
Width x Depth				
1 Car	8'-4" x 13'-8"	8'-4" x 13'-8"	7'-8" x 16'-10"	7'-8" x 17'-5"
2 Cars	17'-0" x 13'-8"	17'-0" x 13'-8"	15'-8" x 16'-10"	15'-8" x 17'-5"
3 Cars	25'-8" x 13'-8"	25'-8" x 13'-8"	23'-8" x 16'-10"	23'-8" x 17'-5"
*4 Cars	34'-4" x 13'-8"	34'-4" x 13'-8"	31'-8" x 16'-10"	31'-8" x 17'-5"
Height (All)	7'-6" Min.	7'-6" Min.	7'-6" Min.	7'-6" Min.
Overhead Loads (lbs.)				
Approximate	R1 22,000#	23,000#	29,500#	30,500#
Per Elevator	R2 11,500#	11,500#	11,000#	11,500#



montgomery[®] PASSENGER ELEVATORS

basement traction — medium and low speed

Basement traction elevators are utilized for limited overhead conditions in new and existing buildings. This type of elevator facilitates future floor expansion.

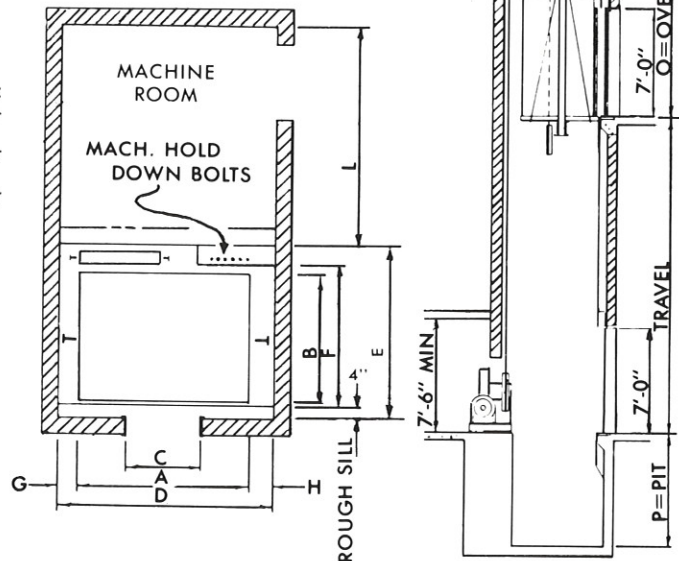
HANDICAPPED REQUIREMENTS AVAILABLE TO MEET NEII STANDARDS OR LOCAL CODE

National Elevator Industry, Inc. (NEII) Handicapped Standards are: Placement of car controls, hall buttons and phone (or intercommunication equipment) for easy access.

Tactile markings for operating switches, buttons and hoistway door jambs.

Handrails in car — dual ray door protection — audible signals in car position indicator and lanterns.

Machine room may be placed at side of elevator hoistway if dimension "D" is increased 4".



PLAN FOR ONE OR MORE ELEVATORS
CENTER OPENING DOORS SHOWN —
SINGLE SLIDE DOORS OPTIONAL

1:1 ROPING ARRANGEMENT

is used when only moderate overhead clearance is available, and only when a shallow pit depth is feasible.

RECOMMENDED SIZES & CAPACITIES

TYPE BUILDING	APARTMENT OR SMALL OFFICE	AVERAGE OFFICE HOTEL		LARGE OFFICE OR STORE
CAPACITY	2000#	2500#	3000#	3500#
A	6'-0"	7'-0"	7'-0"	7'-0"
B	5'-0"	5'-0"	5'-6"	6'-2"
C	3'-0"	3'-6"	3'-6"	3'-6"
D	7'-10"	8'-4"	8'-4"	8'-4"
E	6'-10"	6'-10"	7'-4"	8'-0"
F	5'-5"	5'-5"	5'-11"	6'-7"
G	8"	8"	8"	8"
H	8"	8"	8"	8"

RECOMMENDED MACHINE ROOM OVERHEAD & PIT DIMENSIONS

SPEED	100	200	250	300	350
L	9'-6"	12'-0"	12'-0"	12'-0"	12'-0"
*O	16'-7"	17'-1"	17'-5"	17'-6"	17'-9"
P(a)	4'-0"	-	-	-	-
P(b)	-	4'-0"	4'-6"	4'-6"	5'-1"
P(c)	-	5'-8"	6'-0"	6'-6"	6'-11"

P(a) indicates minimum pit required for elevators with type "A" safety.
P(b) indicates minimum pit required for elevators with type "B" safety.
P(c) indicates minimum pit required for elevators with type "C" safety.

NOTES:

- Pit depths, overhead clearance and penthouse sizes are in accordance with ANSI/ASME code requirements. Local codes may vary these requirements.
- Layouts and dimensions shown are for center opening type entrances.

2:1 ROPING ARRANGEMENT

permits a minimum overhead installation. Because of the sheave arrangement, it is necessary to have a greater pit depth than for a comparable 1:1 installation.

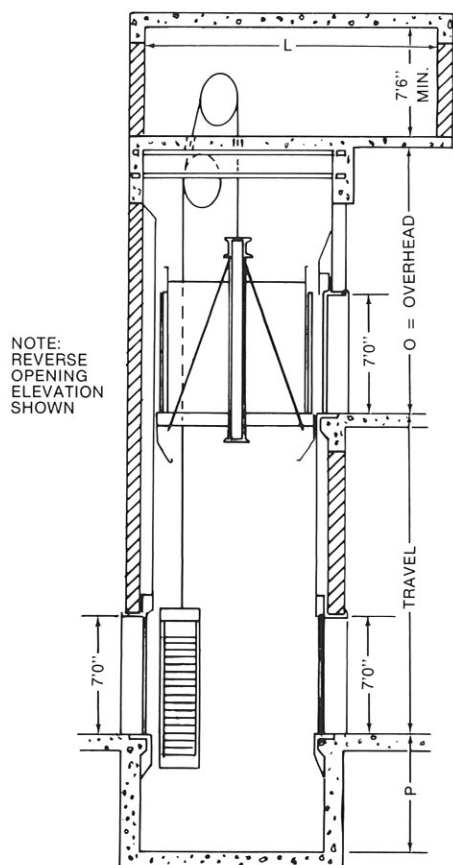
RECOMMENDED SIZES & CAPACITIES

TYPE BUILDING	APARTMENT OR SMALL OFFICE	AVERAGE OFFICE HOTEL	
CAPACITY	2000#	2500#	3000#
A	6'-0"	7'-0"	7'-0"
B	5'-0"	5'-0"	5'-6"
C	3'-0"	3'-6"	3'-6"
D	7'-10"	8'-10"	8'-10"
E	6'-10"	6'-10"	7'-4"
F	5'-5"	5'-5"	5'-11"
G	10"	10"	10"
H	12"	12"	12"

RECOMMENDED MACHINE ROOM OVERHEAD & PIT DIMENSIONS

SPEED	100	200	250	300
L	13'-0"	15'-6"	15'-6"	15'-6"
O	13'-0"	13'-2"	13'-7"	13'-8"
P	5'-6"	6'-6"	6'-11"	7'-4"

- Consult your Montgomery Representative for specific recommendations where space is limited or other conditions may necessitate further study.
- *4. The overhead dimension can be reduced 1'-0" if the cab selected is kept to a minimum height.
5. All data is general. Consult your local Montgomery Representative for exact information for your working drawings.



hospital traction

Hospital Traction Elevators are designed in a wide range of speeds for individual applications. Emergency and independent service as well as auxiliary power features are available.

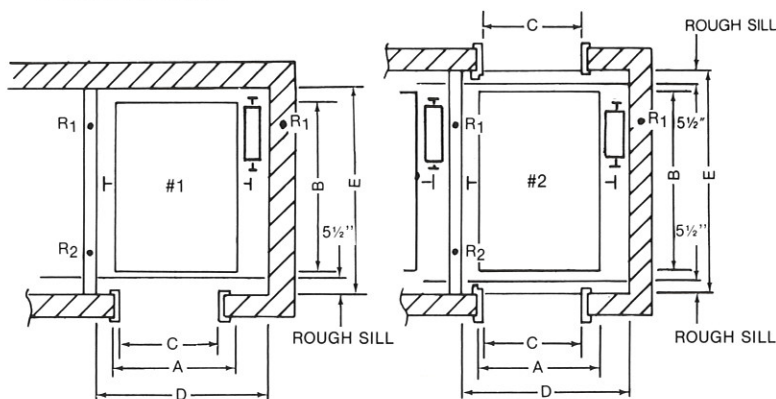
HANDICAPPED REQUIREMENTS AVAILABLE TO MEET NEII STANDARDS OR LOCAL CODES

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Placement of car controls, hall buttons and phone (or intercommunication equipment) for easy access.

Tactile markings for operating switches, buttons and hoistway door jams.

Handrails in car — dual ray door protection — audible signals in car position indicator and lanterns.



FRONT OPENINGS
2/SPEED DOOR SHOWN

FRONT AND REAR OPENINGS
2/SPEED DOORS SHOWN

ONE OR MORE ELEVATORS

RECOMMENDED SIZES & CAPACITIES

CAPACITY	3500#		4000#		4500#		5000#	
	#1	#2	#1	#2	#1	#2	#1	#2
A	5'-4"	5'-4"	5'-8"	5'-8"	5'-8"	5'-8"	6'-4"	6'-4"
B	8'-4"	9'-0"	8'-9"	9'-5"	9'-4"	10'-0"	8'-10"	9'-6"
C	3'-8"	3'-8"	4'-0"	4'-0"	4'-0"	4'-0"	4'-6"	4'-6"
D	7'-5"	7'-5"	7'-8"	7'-8"	7'-8"	7'-8"	8'-5"	8'-5"
E	9'-3"	10'-3 1/2"	9'-8"	10'-8 1/2"	10'-3"	11'-3 1/2"	9'-9"	10'-9 1/2"

MINIMUM PIT, OVERHEAD AND MACHINE ROOM DIMENSIONS

SPEED	100	200	350	500
L	21'-0"	21'-0"	21'-0"	23'-0"
O	15'-6"	15'-9"	16'-6"	17'-7"
P (a)	4'-0"	-	-	-
P (b)	-	4'-0"	5'-1"	6'-7"
P (c)	-	5'-8"	6'-11"	8'-10"

P (a) indicates minimum pit required for elevators with type "A" safety.

P (b) indicates minimum pit required for elevators with type "B" safety.

P (c) indicates minimum pit required for elevators with type "C" safety.

APPROXIMATE OVERHEAD LOADS/LBS. PER PASSENGER ELEVATOR

CAPACITY	R-1	R-2
3500	28500	10500
4000	29500	11000
4500	30500	11500
5000	36000	15500

NOTES:

1. Reactions include allowances for impact but DO NOT include weight of concrete slab.
2. Pit depths, overhead clearance and penthouse sizes are in accordance with ANSI/ASME code requirements. Local codes may vary these requirements.
3. Layouts and dimensions shown are for two speed type entrances.
4. Consult your Montgomery Representative for specific recommendations where space is limited or other conditions may necessitate further study.
5. All data is general. Consult your local Montgomery Representative for exact information for your working drawings.



montgomery®

PASSENGER AND HOSPITAL ELEVATORS

SPM®

standard pre-manufactured holeless oil hydraulic

SPM® Holeless Oil Hydraulic Elevators meet Montgomery's High Standards of quality. Standard Holeless Equipment is PRE-MANUFACTURED IN SIX SIZES. They have the advantage of quick delivery, low cost and reliable service while maintaining "custom" quality. SPM Holeless Elevators offer travel to three floors and car speeds to 125 f.p.m. Montgomery SPM's offer flexibility in entrance and fixture selection and optional decor and finishes.

SPM® Holeless Oil Hydraulic Elevators are furnished with Montgomery MIPROM Microprocessor Logic Control for High Reliability, economy and programmable flexibility.

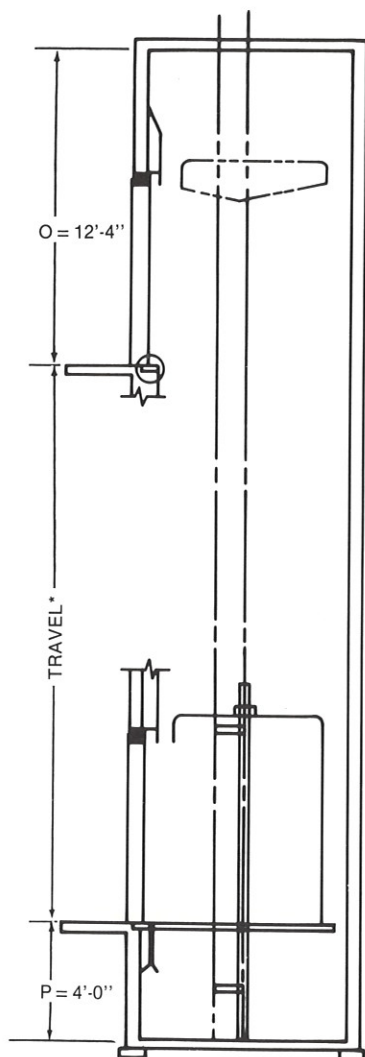
HANDICAPPED REQUIREMENTS AVAILABLE TO MEET NEII STANDARDS, LOCAL CODES OR LAWS.

National Elevator Industry, Inc. (NEII) Handicapped Standards are:

Placement of car controls, hall buttons and phone (or intercommunication equipment) for easy access.

Tactile markings for operating switches, buttons and hoistway door jams.

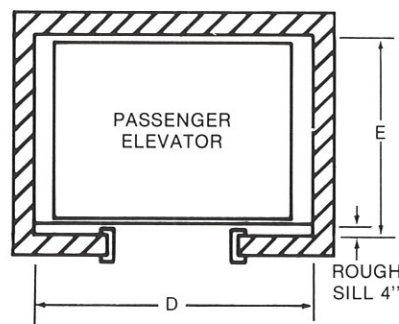
Handrails in car — dual ray door protection — audible signals in car position indicator and lanterns.



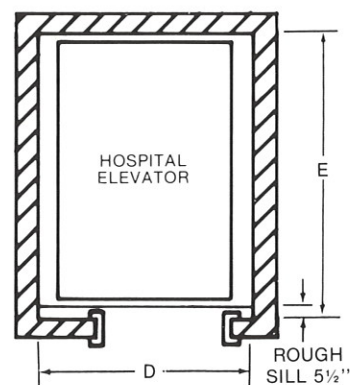
* For 100 FPM and travel over 12'-3", or 125 FPM and travel over 11'-9", pit and/or overhead must increase and an amount equal to the additional travel.

NOTES:

1. A legal machine room meeting code requirements and ventilated with temperature between 65 and 100°F must be provided.
2. Pit depth and overhead clearances shown are in accordance with ANSI/ASME code requirements. Local codes may vary these requirements.
3. All data is general. Consult your local Montgomery Office for exact information for your working drawings.
4. For complete details ask your local Montgomery Office for SPM-HH Brochure SF 2375-38.



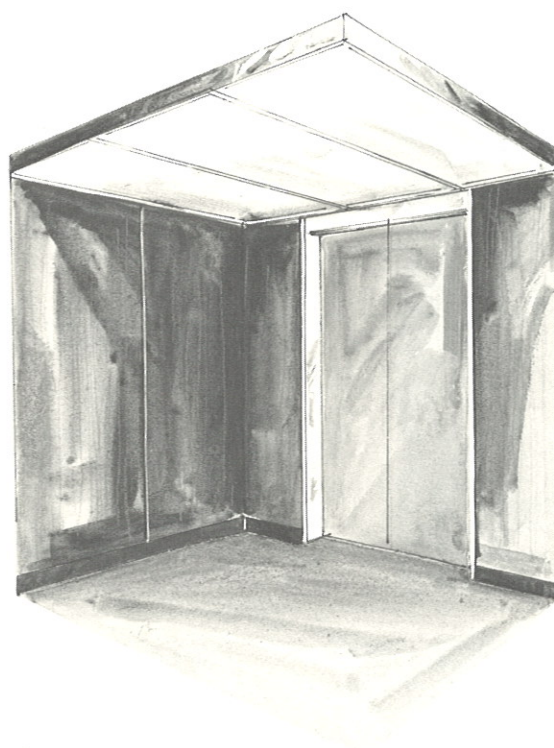
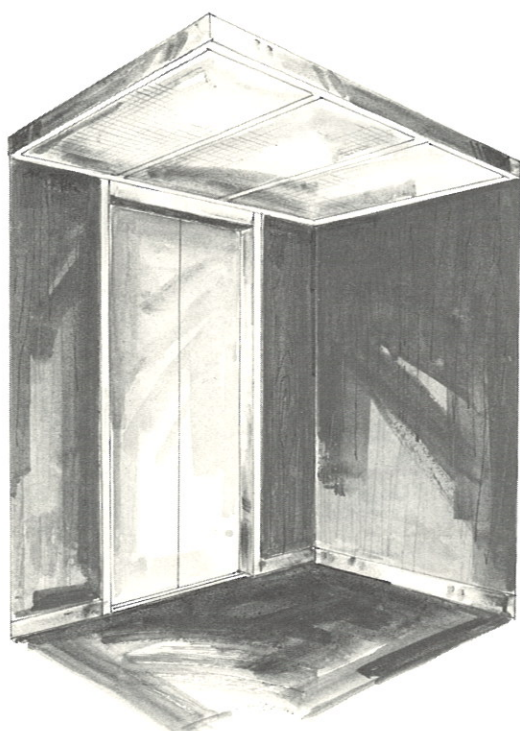
CENTER OPENING ENTRANCE SHOWN



TWO SPEED ENTRANCE SHOWN

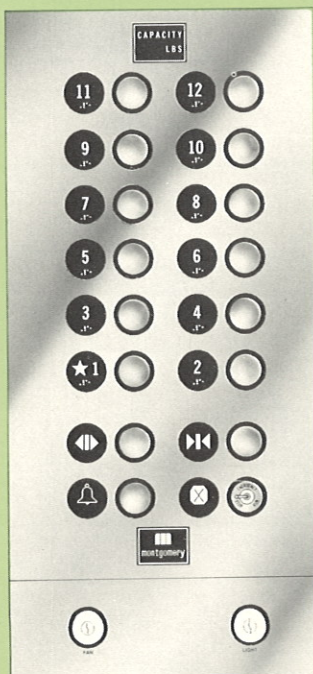
CAPACITIES — SPEEDS — GENERAL ARRANGEMENTS — SPACE REQUIREMENTS						
Model	Passenger Elevator SPM-HH1500	Passenger Elevator SPM-HH2000	Passenger Elevator SPM-HH2500	Passenger Elevator SPM-HH3000	Passenger Elevator SPM-HH3500	Hospital Elevator SPM-HH4000
Capacity - Pounds	1500	2000	2500	3000	3500	4000
Speed FPM	100 and 125	100 and 125	100 and 125	100 and 125	100 and 125	100 and 125
Maximum Travel	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"	20'-0"
Maximum No. of Stops	3	3	3	3	3	3
Platform Size Width x Depth	4'-10" x 5'-0"	6'-0" x 5'-0"	7'-0" x 5'-0"	7'-0" x 5'-6"	7'-0" x 6'-2"	5'-8" x 8'-9"
Clear Car Size Width x Depth	4'-6" x 4'-3"	5'-8" x 4'-3"	6'-8" x 4'-3"	6'-8" x 4'-9"	6'-8" x 5'-5"	5'-4" x 7'-11"
Hoistway Entrance and Car Door Arrangement	Single Slide Only Right Hand- Standard Left Hand-Optional	Single Slide Right Hand or Left Hand- Standard Center Opening-Optional	Center Opening- Standard Single Slide Right Hand or Left Hand- Optional	Center Opening- Standard Single Slide Right Hand or Left Hand- Optional	Center Opening- Standard Single Slide Right Hand or Left Hand- Optional	Two Speed Right Hand- Standard Left Hand-Optional
Entrance Size Width x Height	2'-8" x 7'-0"	3'-0" x 7'-0"	3'-6" x 7'-0"	3'-6" x 7'-0"	3'-6" x 7'-0"	4'-0" x 7'-0"
Hoistway Dimensions One Car						
Clear Width	D 6'-8"	D 7'-4"	D 8'-4"	D 8'-4"	D 8'-4"	D 7'-8"
Wall to Wall Depth	E 5'-9"	E 5'-9"	E 5'-9"	E 6'-3"	E 6'-11"	E 9'-8"
Overhead Pit	See Elevation Drawings					
Machine Room One Car						
Width	8'-4" x	8'-4" x	8'-4" x	9'-6" x	9'-6" x	9'-6" x
Depth	5'-3"	5'-3"	5'-3"	6'-2"	6'-2"	6'-2"
Height (Clear)	7'-6"	7'-6"	7'-6"	7'-6"	7'-6"	7'-6"

CARS, SIGNALS AND PUSHBUTTON FIXTURES



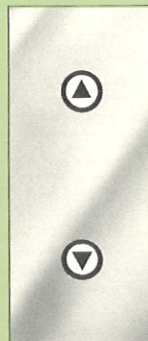
Montgomery standard cars are shown. Other standard cars as well as custom cars are available in a wide range of designs and materials. Contact your local Montgomery representative for details.

signal and pushbutton fixtures



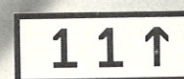
CAR OPERATING PANEL

Floor buttons illuminate when pressed to indicate calls registered. Tactile markings are included. OPTIONAL AUXILIARY OPERATING PANEL is similar to this fixture.



HALL OPERATING BUTTONS

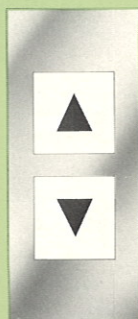
Floor buttons illuminate when pressed to indicate calls are registered.



DIGITAL ELECTRONIC CAR POSITION INDICATOR

Optional digital readout hall position indicator is identical. The single director arrow changes to show opposite direction.

Optional digital readout hall position indicator and hall lantern when furnished may be combined into a single fixture.



OPTIONAL HALL LANTERN

Horizontal type also available.

OPTIONAL CAR DIRECTION SIGN

Located in car jamb to meet handicapped requirements.



OPTIONAL TELEPHONE/SERVICE CABINET

Placed below car operating panel. Key operated fan, light and other service switches are placed in this cabinet. When this cabinet is not furnished, the key operated switches are placed in the bottom of the car operating panel as illustrated.

Montgomery standard entrances shown are available in a wide range of finishes and materials. Custom entrances are also available. Contact your local Montgomery representative for details.

single speed slide

FEATURES — Maximum opening width approximately $\frac{1}{2}$ width of car. Opening width should not exceed 3'-6". Provides a sliding door at moderate cost.

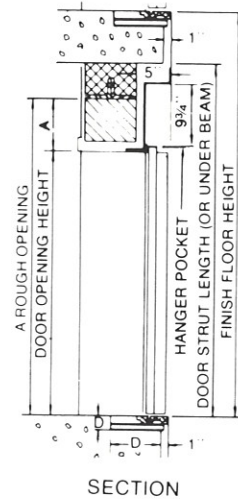
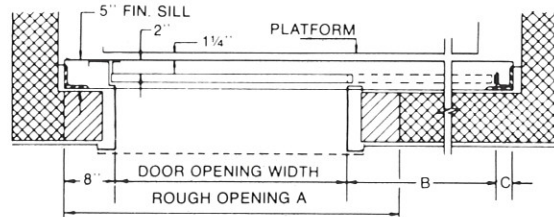
DIMENSION KEY — Wherever possible, front hoistway walls should not be erected until after door equipment is installed.

A - Rough openings for standard Unit-type frames to be: Width of door opening plus 8" on each side. Height of door opening plus 8" above.

B - Landing door opening plus $1\frac{1}{2}$ ".

C - 5" for power operated doors.

D - 2" minimum depth x 4" sill pocket entire width of hoistway.



SECTION

two speed slide

FEATURES — Door opening approximately $\frac{2}{3}$ width of car.

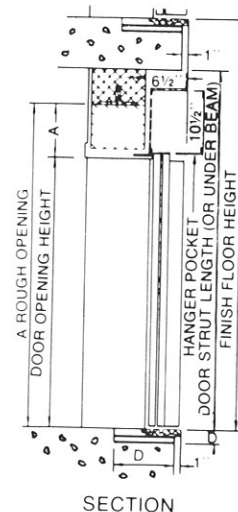
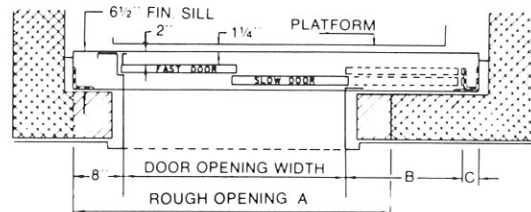
DIMENSION KEY — Wherever possible, front hoistway walls should not be erected until after door equipment is installed.

A - Rough openings for standard Unit-type frames to be: Width of door opening plus 8" on each side. Height of door opening plus 8" above.

B - $\frac{1}{2}$ landing door opening plus $1\frac{1}{8}$ ".

C - 5" for power operated door.

D - 2" minimum depth x $5\frac{1}{2}$ " sill pocket entire width of hoistway.



SECTION

center opening slide

FEATURES — Provides opening approximately $\frac{1}{2}$ width of car. Simultaneous opening of each door panel, at equal speed, reduces opening time to $\frac{1}{2}$ that required for other types of sliding doors.

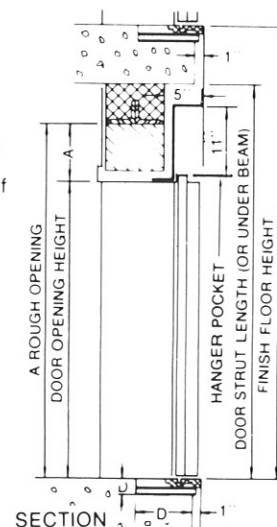
DIMENSION KEY — Wherever possible, front hoistway walls should not be erected until after door equipment is installed.

A - Rough openings for standard Unit-type frames to be: Width of door opening plus 8" on each side. Height of door opening plus 8" above.

B - $\frac{1}{2}$ landing door opening plus $\frac{3}{4}$ ".

C - 5" for power operated doors.

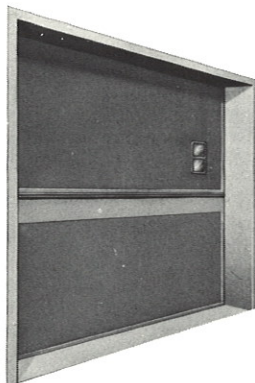
D - 2" minimum depth x 4" sill pocket entire width of hoistway.



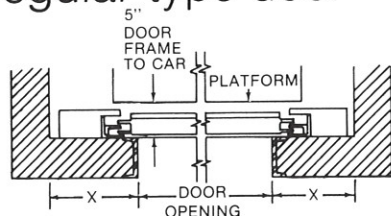
SECTION

FREIGHT DOORS/DUMBWAITER DOORS

freight doors



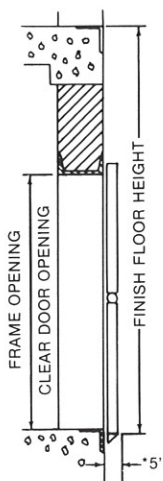
regular type door



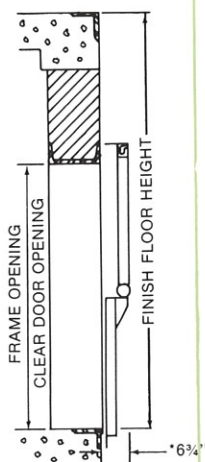
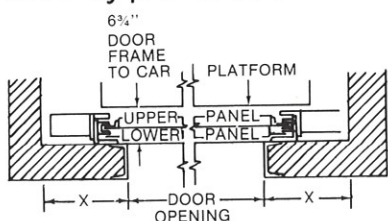
DIMENSION KEY

X — 13" minimum return required for motorized door of either type shown.

X — 10" minimum return required for manual door of either type shown. Minimum pit depth = $\frac{1}{2}$ door height plus 6". Pit depth for door may be more or less than pit depth required for elevator, depending on height of door. Door frames must extend to the floor beam above unless walls are poured concrete or brick.



pass type door



MINIMUM FLOOR HEIGHT BASED ON OPENING HEIGHT OF DOOR		
OPENING HEIGHT OF DOOR	REGULAR TYPE DOOR	*PASS TYPE DOOR
6'-6"	10'-3"	9'-3"
7'-0"	11'-0"	9'-9"
7'-6"	11'-9"	10'-3"
8'-0"	12'-6"	10'-9"
8'-6"	13'-3"	11'-3"
9'-0"	14'-0"	11'-9"
10'-0"	15'-6"	12'-9"

*Minimum floor heights shown for pass type doors may be reduced by using special constructed doors. Consult your local Montgomery Representative for exact information for your drawings.

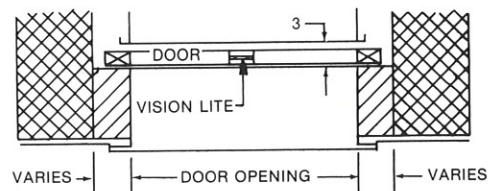
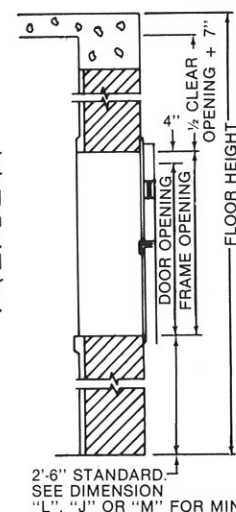
dumbwaiter doors

Dumbwaiter doors carry U/L labels and are bi-parting type with steel frames and sound deadened door panels with glass vision lights. Finish is prime paint.

Options: Hollow metal insulated door panels.
Stainless steel sills.
Baked enamel or stainless steel finish.
Slide up or slide down type entrances.



DIMENSION KEY — One or more openings must be larger than the car so the assembled car can be placed into the hatch or removed for service or repair. Front walls to be left out until door frames are installed. Refer to page 18 for additional data.



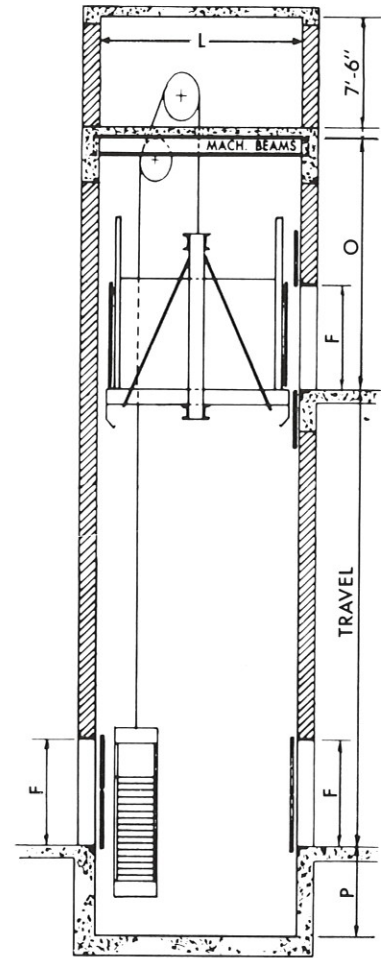
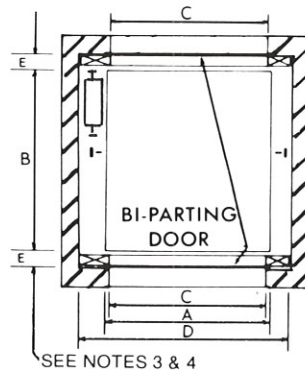
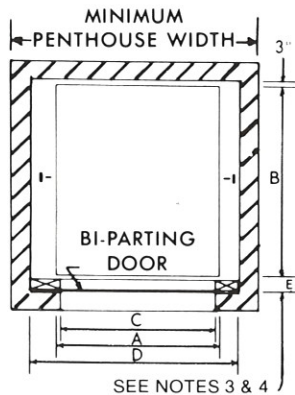
**SEE PAGE 18
FOR DUMBWAITER
DETAILS**



traction

Traction Freight Elevators meet and exceed the heavy duty requirements of freight type loading. Special applications are available to meet unusual and hazardous conditions. As an optional feature we recommend our Lodemaster, an automatic load weighing device, which warns against overloading. Also recommended are power operated hoist-way doors and car gates for medium and heavy duty installations.

For freight door details see page 15.



LIGHT AND MEDIUM DUTY FREIGHT ELEVATORS							HEAVY DUTY POWER TRUCK FREIGHT ELEVATORS					
CAPACITY	2500#	3000#	4000#	6000#	8000#	10,000#	CAPACITY	10,000#	12,000#	16,000#	18,000#	20,000#
A	5'-4"	6'-4"	6'-4"	8'-4"	8'- 4"	10'- 4"	A	8'-4"	10'-4"	10'-4"	10'-4"	12'-4"
B	7'-0"	8'-0"	8'-0"	10'-0"	10'- 0"	14'- 0"	B	12'-0"	14'-0"	14'-0"	16'-0"	20'-4"
C	5'-0"	6'-0"	6'-0"	8'-0"	8'- 0"	10'- 0"	C	8'-0"	10'-0"	10'-0"	10'-0"	12'-0"
D	7'-4"	8'-4"	8'-4"	10'-4"	10'-10"	12'-10"	D	11'-4"	13'-6"	14'-0"	14'-2"	16'-6"
L	13'-0"	14'-0"	14'-0"	14'-0"	14'- 0"	15'- 0"	L	14'-0"	15'-0"	15'-0"	17'-0"	21'-0"
MINIMUM PIT & OVERHEAD DIMENSIONS FOR LIGHT & MEDIUM DUTY FREIGHT ELEVATORS							MINIMUM PIT & OVERHEAD DIMENSIONS FOR HEAVY DUTY POWER TRUCK FREIGHT ELEVATORS					
CAR SPEED	50	75	100	200								
O	16'-0"	16'-0"	16'-0"	16'-0"								
P	5'-6"	5'-6"	5'-6"	6'-0"	Consult your Montgomery Representative							

- NOTES:
1. Pit depths, overhead clearance and penthouse sizes are in accordance with ANSI/ASME code requirements. Local codes may vary these requirements.
 2. For capacities over 20,000 lbs. or speeds over 200 f.p.m., consult your Montgomery Representative.
 3. Dimensions E = 5" for regular type counter balanced hoistway doors and 6 3/4" for pass type counter balanced hoistway doors.
 4. Pass type hoistway doors are required when floor heights are less than 11'-0" for 7'-0" openings and less than 14'-0" for 9'-0" openings. See chart on page 18 for other door sizes.

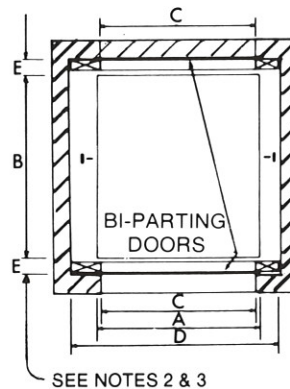
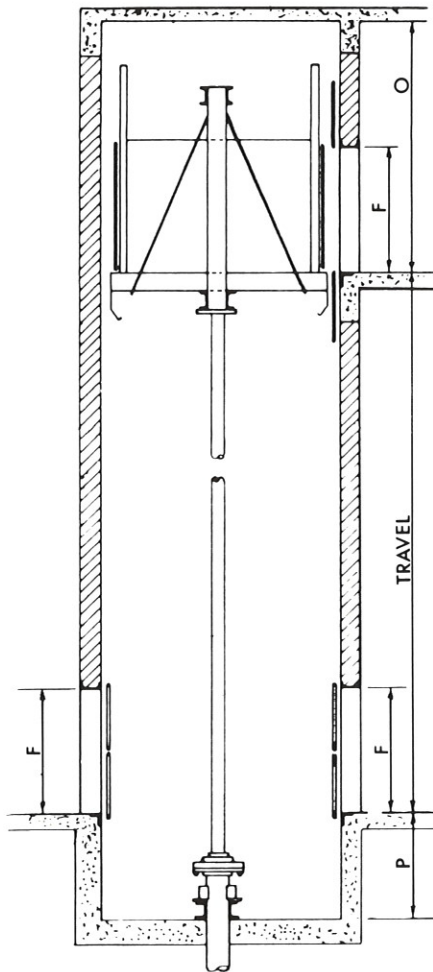
5. Dimension F = 7'-0" on light and medium duty 8'-0" or as required for heavy duty doors. Doors higher than 8'-0" require additional overhead height.
6. For large heavy duty doors consult your Montgomery Representative.
7. All data is general. Consult your local Montgomery Representative for exact information for your working drawings.
8. For reactions and classes of loading, consult your local Montgomery Representative.

FREIGHT ELEVATORS

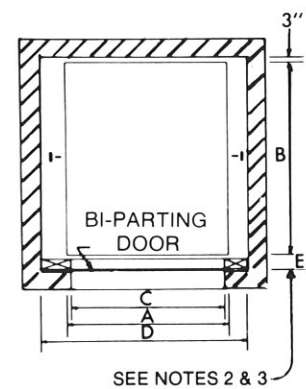
oil hydraulic

Oil Hydraulic Freight Elevators are recommended for nominal speed and travel requirements. Features of this type elevator include minimum shaft clearances, economical design of the hoistway, and elimination of the overhead machine room. The recommended machine room location is at the lowest landing adjacent to the hoistway, but can be located in a semi-remote area from the hoistway.

For freight door information see page 15.



SEE NOTES 2 & 3



SEE NOTES 2 & 3

LIGHT AND MEDIUM DUTY HYDRAULIC FREIGHT ELEVATORS

CAPACITY	2000#	3000#	4000#	5000#	6000#	7500#	10,000#
A	5'-0"	5'-6"	6'-6"	8'-6"	8'-6"	8'-6"	10'-6"
B	6'-0"	7'-0"	8'-0"	10'-0"	12'-0"	12'-0"	14'-0"
C	4'-8"	5'-2"	6'-2"	8'-2"	8'-2"	8'-2"	10'-2"
D-manual doors	6'-4"	6'-10"	7'-10"	9'-10"	10'-0"	10'-6"	12'-6"
D-power doors	6'-10"	7'-4"	8'-4"	10'-4"	10'-6"	10'-6"	12'-6"
O-7'-0" high doors	13'-2"	13'-2"	13'-2"	13'-2"	13'-2"	13'-2"	13'-2"
O-8'-0" high doors	14'-2"	14'-2"	14'-2"	14'-2"	14'-2"	14'-2"	14'-2"
P	4'-6"	4'-6"	4'-6"	4'-6"	4'-6"	5'-0"	5'-0"

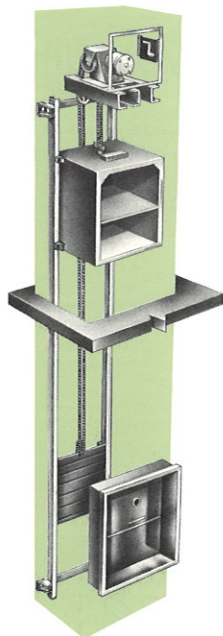
- NOTES:
- Dimensions O and P are based on car speeds up to 150 fpm.
 - Dimension E = 5" for regular type counter balanced hoistway doors and 6 3/4" for pass type counter balanced hoistway doors.
 - Pass type hoistway doors are required when floor heights are less than 11'-0" for 7'-0" openings and less than 14'-0" for 9'-0" openings. See chart on page 18 for other door sizes.
 - Dimension F = 7'-0" on light and medium duty, 8'-0" or as required for heavy duty.
 - A legal machine room meeting Code requirements and ventilated with temperature maintained between 65° and 100°F, must be provided. Machine room location preferably should be at the lowest landing adjacent to the hoistway. Machine room size varies depending on capacity and speed of elevator. Consult your Montgomery representative for the exact size.

HEAVY DUTY POWER TRUCK HYDRAULIC FREIGHT ELEVATORS

CAPACITY	10,000#	12,000#	16,000#	18,000 #	20,000#
A	10'-6"	10'-6"	10'-6"	10'-6"	12'-6"
B	14'-0"	14'-0"	16'-0"	16'-0"	20'-0"
C	10'-2"	10'-2"	10'-2"	10'-2"	12'-2"
D-manual doors	12'-6"	12'-6"	12'-6"	12'-6"	14'-6"
D-power doors	12'-6"	12'-6"	12'-6"	12'-6"	14'-6"
O-7'-0" high doors	13'-2"	13'-2"	13'-2"	13'-2"	13'-2"
O-8'-0" high doors	14'-2"	14'-2"	14'-2"	14'-2"	14'-2"
P	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"

- Pit depths and overhead clearances are in accordance with ANSI/ASME code requirements. Local codes may vary these requirements.
- Layout and dimensions shown for freight elevators based on bi-parting counter-balanced type hoistway doors.
- Consult your local Montgomery Office for more information regarding Notes 5 and 6.
- For capacities over 20,000 lbs. and for large heavy duty doors, consult your Montgomery Representative.
- All data is general. Consult your Montgomery Representative for exact information for your working drawings.

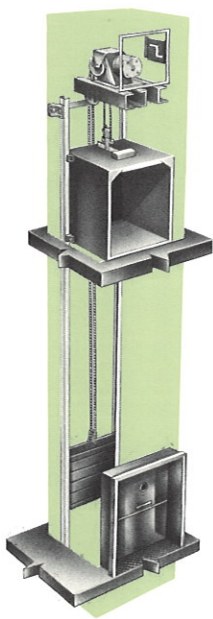
montgomery[®] DUMBWAITERS



TRACTION DRIVE

high speed traction drive
Model 1401 has machine above and Model 1402 has machine below. Designed to take hard use for all high rise projects, these models are top of the line with car speeds from 100 to 150 FPM (and above on request). Capacities from 200 to 500 pounds. Standard operation is automatic call-send.

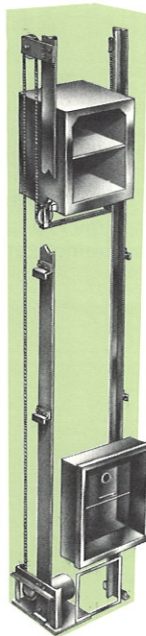
moderate speed traction drive
Model 1431 has machine above and Model 1432 has machine below. Satisfies economical speed requirements for 2 to 6 landing projects such as restaurants, apartments, hospitals, hotels, motels, institutions, banks, office buildings. Heavy duty guide rail columns support machine and transmit down load weight to bottom of hoistway. Lifting capacities from 75 pounds to 500 pounds and the car speed is 50 FPM. Standard operation is automatic call-send.



TRACTION DRIVE

heavy duty traction drive
Model 1405 has machine above and Model 1406 has machine below adjacent to hoistway. Designed for heavy duty wheeled truck loading. A substitute for small cargo elevators in commercial buildings, industrial buildings, research buildings, piers, warehouses, libraries, dormitory buildings. Lifting capacity up to 500 pounds and car speeds from 50 FPM to 150 FPM. Standard operation is automatic call-send.

Except for model 1441 and 1442 (letter lift) optional car sizes are available up to 9 square feet of floor area and up to 4'0" high.

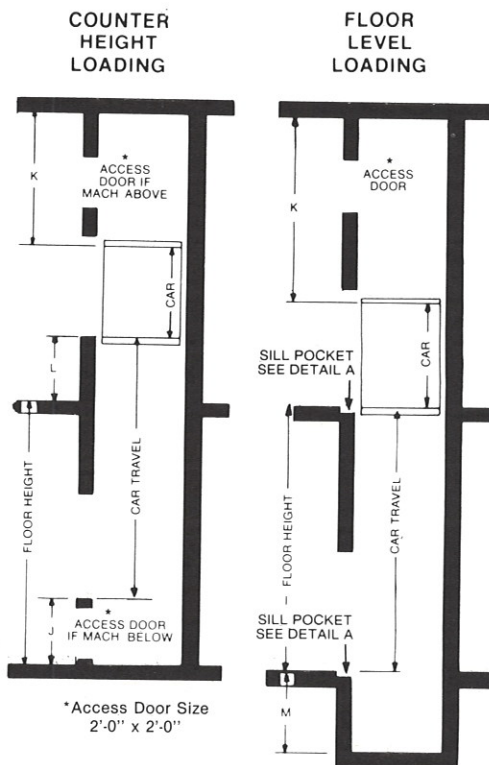


ELECTRIC DRUM DRIVE

moderate speed electric drum drive
Counter Height Loading or Floor Level Loading models are 1420 & 1422 with the machine below adjacent to hoistway, and 1421 & 1423 with the machine above. Applicable for all moderate speed requirements up to 35 feet of travel. Ideal for non-loading bearing walls. These models support and transmit all down loads to the bottom of the hoistway. Capacities from 150 to 500 pounds and car speed of 50 fpm.

moderate speed electric drum drive letter lift
Counter Height Loading models 1441 (machine above) and 1442 (machine below). Capacities are 25 and 50 pounds, speed 50 fpm, maximum travel 35'0", standard car size 15" wide, 15" deep, 18" high or 20" wide, 20" deep, 18" high.

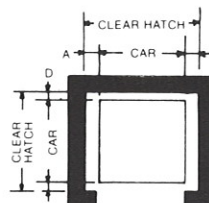
Montgomery Elevator Company has dumbwaiters for every need including electric traction and drum machine models. These dumbwaiters are manufactured to rigid high standards of quality. For more information including available options, write for Montgomery's brochure SF2048-R289. For details on dumbwaiter entrances, see page 15.



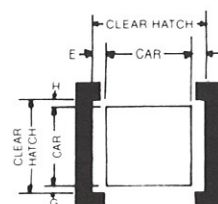
ELEVATIONS

Detail A

Sill pocket — required at all floors for dumbwaiters that load and unload at floor level.



PLAN 1



PLAN 2

PLAN VIEWS

COUNTER HEIGHT LOADING														
			PLAN 1				PLAN 2							
MODEL NO.	TYPE OF MACHINE	MACHINE LOCATION	OPENINGS FRONT ONLY				OPENINGS FRONT & REAR				ELEVATIONS			
			A	B	C	D	E	F	G	H	J	K	L	M**
1401	Traction	Above	6½	5½	3	6½	6½	5½	3	3	30	54	30	—
1402	Traction	Below	6½	5½	3	6½	6½	5½	3	3	34	42	30	—
1431	Traction	Above	6½	5½	3	3	6½	5½	3	3	30	48	30	—
1432	Traction	Below	6½	5½	3	3	6½	5½	3	3	34	42	30	—
1420	Drum	Below	6	6	3	3	6	6	3	3	34	36	30	—
1421	Drum	Above	6	6	3	3	6	6	3	3	30	48	30	—
1441	Drum	Above	4	4	3	3	4	4	3	3	42	48	42	—
1442	Drum	Below	4	4	3	3	4	4	3	3	42	42	42	—
			FLOOR LEVEL LOADING											
1405	Traction	Above	6½	5½	3	6½	6½	5½	3	3	0	54	0	36
1406	Traction	Below	6½	5½	3	6½	6	6	3	3	0	42	0	36
1422	Drum	Below	6	6	3	3	6	6	3	3	0	42	0	36
1423	Drum	Above	6	6	3	3	6	6	3	3	0	48	0	36

**Floor level loading with slide up doors, M = 8" minimum.

NOTES: Each car gate reduces useable F to B car space by 1 1/2". Dimension K is based on bi-parting car gates and/or doors.

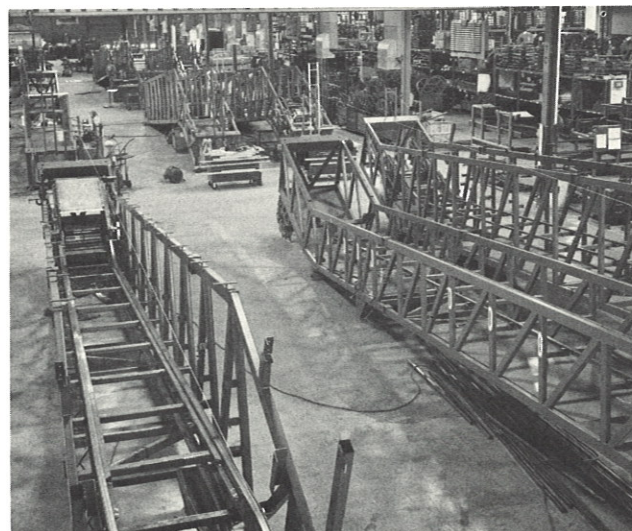
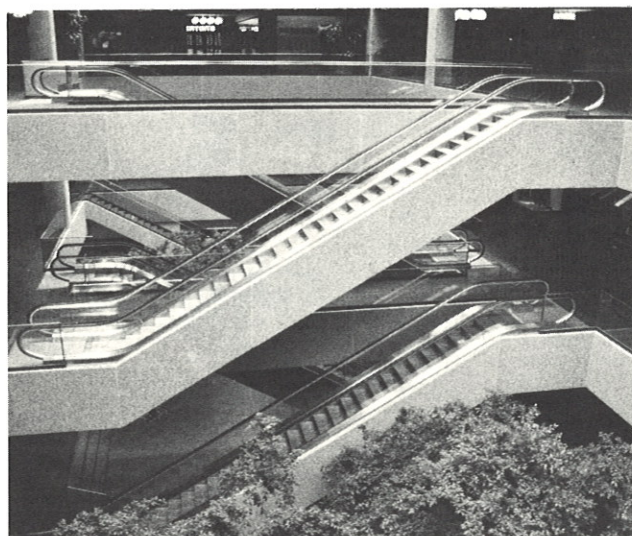
ESCALATORS

Escalators move more people at lower cost per passenger than any other form of vertical transportation. They may be the primary carrier in retail buildings, in transportation terminals and in highly populated office buildings, or can effectively augment elevator systems, especially in high rise office buildings.

Operating from main floors to lower parking levels, mezzanine or second floor shops and restaurants, or top elevator floor to penthouse restaurants. Escalators provide the most efficient transportation in these heavy traffic locations, allowing elevator systems to serve other areas of the building more efficiently.

EFFICIENCY —

two steps on the same level at entry and exit speeds and safeguards traffic “a montgomery exclusive.”



SAFETY —

more and better safety devices than any other escalator

APPEARANCE —

durable modern materials retain attractive appearance

LOW COST MAINTENANCE —

attained by high quality equipment

DEPENDABILITY —

quickly and easily serviced — less down time

typical montgomery escalator users

RETAIL

Allied Stores Corporation
Associated Dry Goods Corporation
Bonwit Teller
Carter-Hawley Stores
City Stores Company
Dayton-Hudson Corporation
Dillard Department Stores, Inc.
T. Eaton Company Ltd.
Federated Department Stores, Inc.
Hudson Bay Co.
R. H. Macy and Company, Inc.
Marshall Field and Company
May Department Stores Company
Merchantile Stores, Inc.
Montgomery Ward and Company
Neiman-Marcus
J. C. Penney Co., Inc.
Saks Fifth Avenue
Sears Roebuck & Co.
Woodward & Lothrop, Inc.
Woodward Department Stores

OFFICE-BANK-HOTEL

Blue Cross-Blue Shield
Caterpillar Tractor Co.

Disneyland Hotel
Ford Motor Company
General Motors Corporation
Hilton Hotels Company
Hyatt Regency
Prudential Plaza
Sheraton Hotel Corp.

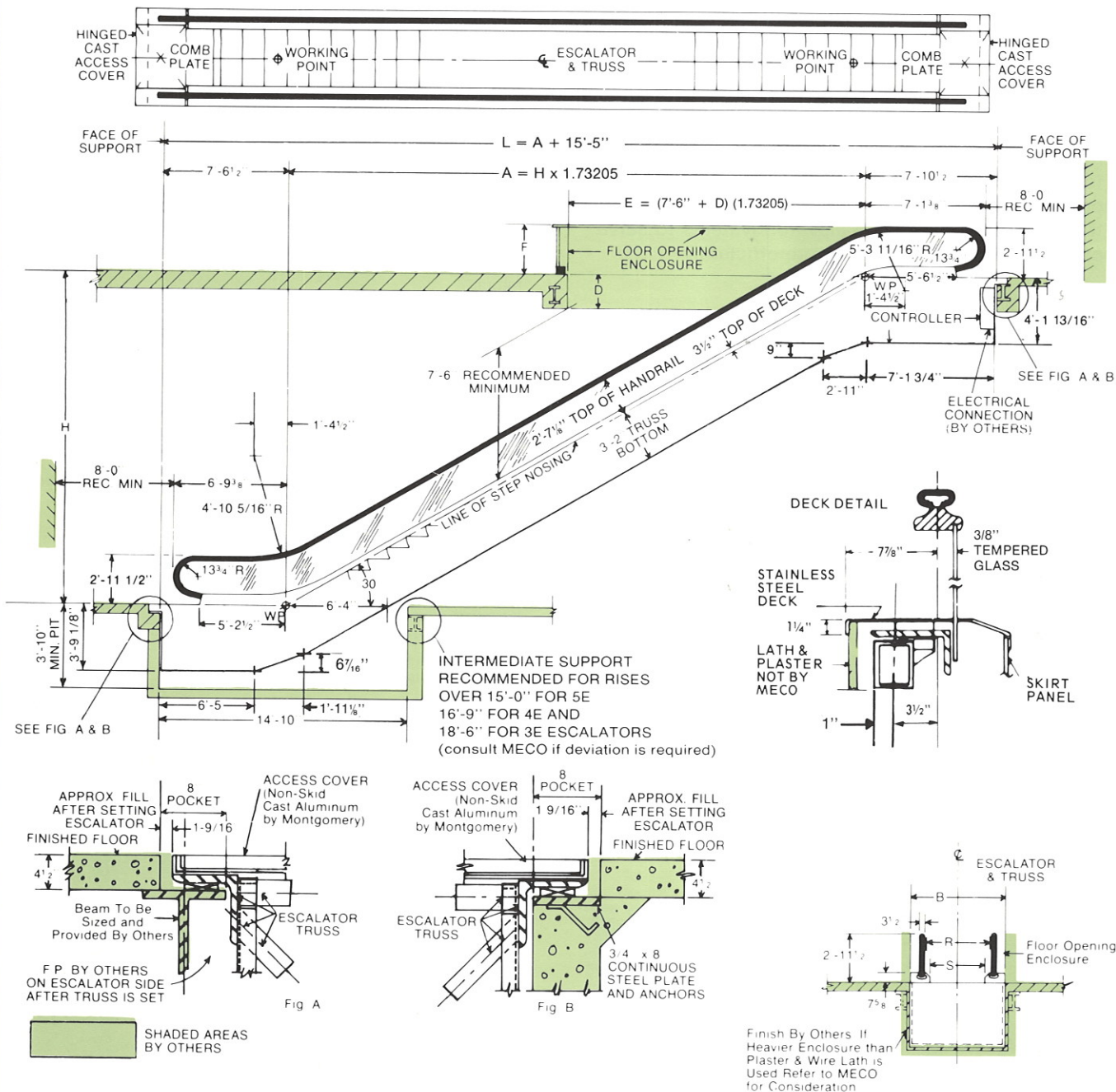
TRANSPORTATION & PUBLIC

Atlanta International Airport
Boston Subway, Mass. Transit Authority
Candlestick Park
Chicago Transit Authority
Dallas/Fort Worth International Airport
Denver Stapleton Airport
Detroit Cobo Hall
Honolulu International Airport
The Louisiana Superdome
Montreal (Mirabel) International Airport
San Francisco-Rapid Transit/BARTD
Sea-Tac International Airport
Chiang Kai-Shek Int'l. Airport (Taiwan)
Toronto International Airport
Toronto Transit Commission



TOP LEFT Edmonton Centre
Edmonton, Alberta, Canada
BOTTOM LEFT Montgomery Escalator Factory
Moline, Illinois
ABOVE Neiman-Marcus
San Diego, California

crystal 2000 glass balustrade (model 4000)

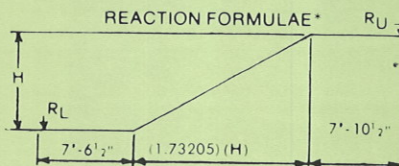


LAYOUT NOTE:

The following information, when available, must be shown on all layouts for use of the balustrade manufacturer.

D—Dimension from finished floor to the finished plaster ceiling or bottom of smoke guard.

E-F-G—Detail and kind of wellway railings or fire shutter enclosures which are not furnished by the balustrade manufacturer.

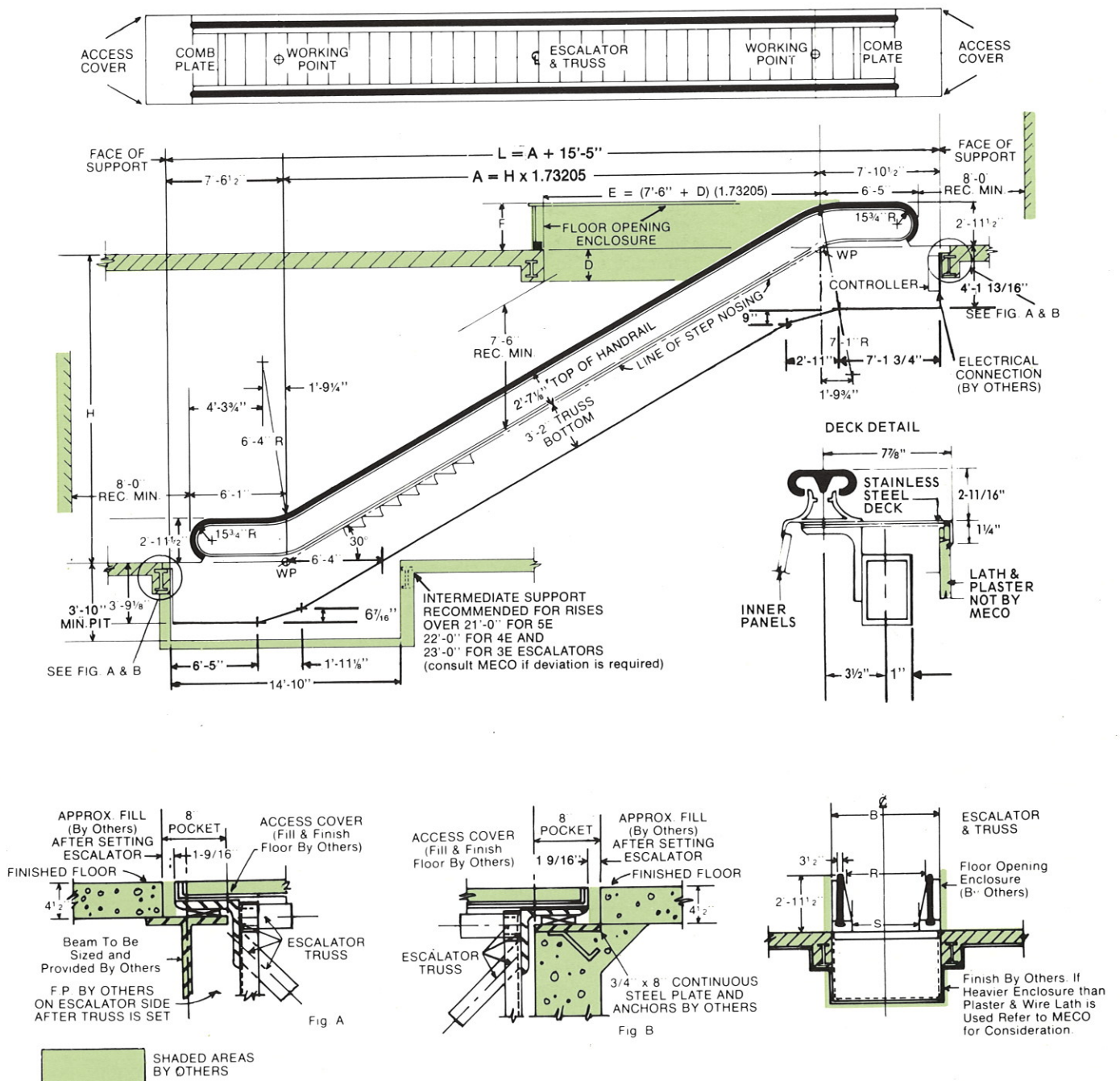


Consult MECO for reactions if intermediate support is used.

32' ESCALATOR	
RL = (550)H + 10,000	RU = (550)H + 11,100
40' ESCALATOR	
RL = (660)H + 10,570	RU = (660)H + 11,670
48' ESCALATOR	
RL = (660)H + 11,650	RU = (660)H + 12,750

ESCALATORS

solid balustrade



Reaction formulae based on:
 50% dead load
 25% live load
 25% impact
 Includes weight of metal lath and plaster covering on sides and soffit.

WIDTH CHART						
Model No.	Capacity Persons Per Hour At		Rated Width R	Step Width S	Overall Width B (Note 1)	Well Width Rough Opening (Note 2)
	90fpm	120fpm				
3E	5,000	6,500	32"	24"	4'-4"	Overall Width B + 2"
4E	7,000	9,000	40"	32"	5'-0"	
5E	8,000	10,000	48"	40"	5'-8"	

- NOTES:
1. Includes exterior of lath and plaster by others.
 2. Enclosure between rough opening and finished escalators to be provided by others.

standard equipment

STANDARD EQUIPMENT INCLUDES

complete truss fabricated of welded, hot rolled, structural steel tubes; precision worm gear drive; roller and ball bearings throughout; flange mounted motor; D.C. brake; portable UL classified* controller; complete electrical and mechanical safety system; reversing stations, interchangeable precision assembled steps with cleated risers; matched endless step chains; accurately aligned track system; complete balustrade including skirts; inner panels, decks and endless moving neoprene rubber handrail; floor access covers to upper and lower machinery well both within truss area.

REQUIREMENTS

1. Floor around escalator is not to be laid until escalator is installed.
2. Flooring within 8" of escalator floor access doors (top and bottom) is not to be laid until floor access doors are in place.
3. Electric conduits, sprinkler pipes or soffit lights must be installed entirely outside of truss at all points except where codes require sprinkler protection of escalator machinery. Consult Montgomery for location within truss.
4. No walls or other parts of building structure are to be carried on truss.

*Classified by Underwriters Laboratories Inc. as to fire and shock hazard only. Elevator Control Panel classed NIUU. See UL Classified Products Directory.

OWNER TO PROVIDE AND INSTALL THE FOLLOWING

1. All escalator supports including bearing plates if concrete beams are used.
2. 3 phase, 60 cycle power supply and 110 volt light supply to controller.
3. Combination lamp receptacle and convenience outlet in machine room and lower reversing station.
4. Paper backed wire lath or its equivalent to be used for plaster enclosure of escalator.
5. All items marked "by others."
6. Fill and finish flooring for access covers for solid balustrade escalators.

CONTACT ANY OF OUR SALES AND SERVICE OFFICES TO OBTAIN EXPERT PLANNING ASSISTANCE INCLUDING COMPLETE LAYOUT AND SPECIFICATIONS

MOTOR HORSEPOWER REQUIREMENTS

90 FPM	SIZE	FLOOR HEIGHT
10 HP	3E	5'-6" to 24'-0"
	4E	5'-6" to 17'-0"
	5E	5'-6" to 15'-0"
15 HP	3E	Over 24'-0" to 36'-0"
	4E	Over 17'-0" to 26'-0"
	5E	Over 15'-0" to 23'-0"
20 HP	3E	Over 36'-0" to 42'-0"
	4E	Over 26'-0" to 30'-0"
	5E	Over 23'-0" to 26'-0"

POWER DATA

HP	200 VOLTS		460 VOLTS		575 VOLTS	
	STARTING CURRENT IN AMPERES	RUNNING CURRENT IN AMPERES	STARTING CURRENT IN AMPERES	RUNNING CURRENT IN AMPERES	STARTING CURRENT IN AMPERES	RUNNING CURRENT IN AMPERES
	90 FPM	90 FPM	90 FPM	90 FPM	90 FPM	90 FPM
10	128.25	33.12	57.75	14.4	46.2	11.5
15	213.75	50.6	93.07	22.0	74.47	17.6
20	270.75	64.4	117.75	28.0	94.2	22.4

120 FPM

10 HP	3E	5'-6" to 19'-0"
	4E	5'-6" to 14'-0"
	5E	5'-6" to 12'-0"
15 HP	3E	Over 19'-0" to 28'-0"
	4E	Over 14'-0" to 20'-0"
	5E	Over 12'-0" to 18'-0"
20 HP	3E	Over 28'-0" to 32'-0"
	4E	Over 20'-0" to 23'-0"
	5E	Over 18'-0" to 21'-0"

120 FPM

HP	200 VOLTS		460 VOLTS		575 VOLTS	
	STARTING CURRENT IN AMPERES	RUNNING CURRENT IN AMPERES	STARTING CURRENT IN AMPERES	RUNNING CURRENT IN AMPERES	STARTING CURRENT IN AMPERES	RUNNING CURRENT IN AMPERES
	120 FPM	120 FPM	120 FPM	120 FPM	120 FPM	120 FPM
10	130.5	29.4	56.77	12.8	45.45	10.2
15	191.25	47.4	83.1	20.6	66.45	16.5
20	264.75	60.0	114.97	26.1	91.95	20.9

120/90 FPM (2 SPEED)

10/7.5 HP	3E	5'-6" to 16'-0"
	4E	5'-6" to 12'-0"
	5E	5'-6" to 11'-0"
15/11.25 HP	3E	Over 16'-0" to 24'-0"
	4E	Over 12'-0" to 18'-0"
	5E	Over 11'-0" to 16'-0"
20/15 HP	3E	Over 24'-0" to 32'-0"
	4E	Over 18'-0" to 23'-0"
	5E	Over 16'-0" to 21'-0"

120/90 FPM (2 SPEED)

HP	200 VOLTS		460 VOLTS		575 VOLTS	
	STARTING CURRENT IN AMPERES	RUNNING CURRENT IN AMPERES	STARTING CURRENT IN AMPERES	RUNNING CURRENT IN AMPERES	STARTING CURRENT IN AMPERES	RUNNING CURRENT IN AMPERES
	120/90 FPM	120/90 FPM	120/90 FPM	120/90 FPM	120/90 FPM	120/90 FPM
10/7.5	135.75/105.75	30.8/25.9	69.75/62.25	14/12.9	54/47.25	11.1/10.4
15/11.25	190.5 /135.75	45/37.4	95.25/65.25	20.1/16.6	72/48	16.1/13.2
20/15	331.5 /186	64.5/49.7	130.5 /84.75	27/21.8	102.75/70.5	21.7/17.8

ALL POWER DATA BASED ON 3 PHASE 60 HERTZ

POWER WALKS & RAMPS

provide fast safe, high-volume horizontal, or combined horizontal and inclined (to 12 degrees) transportation of people within buildings, or outdoors. Exposition centers, stadiums, auditoriums, transportation terminals, parking lots to buildings and in or out of buildings are a few walk-ramp applications to transport people where walking is not advantageous.

STANDARD EQUIPMENT INCLUDES

complete truss fabricated of welded, hot rolled, structural steel tubes (or combination of truss and channel stanchion); precision worm gear drive; roller and ball bearings throughout; flange mounted motor; D.C. brake; portable UL classified* controller; complete electrical and mechanical safety system; reversing stations; interchangeable precision assembled treadway pallets with interlocking treads on adjacent pallets; matched endless pallet chains; accurately aligned track system; complete balustrades including inner panels; decks with endless moving neoprene rubber hand rail; and floor access covers to upper and lower machinery wells both within truss area.

*Classified by Underwriters Laboratories Inc. as to fire and shock hazard only. Elevator Control Panel classed NIUU. See UL Classified Products Directory.

CONSULT MONTGOMERY

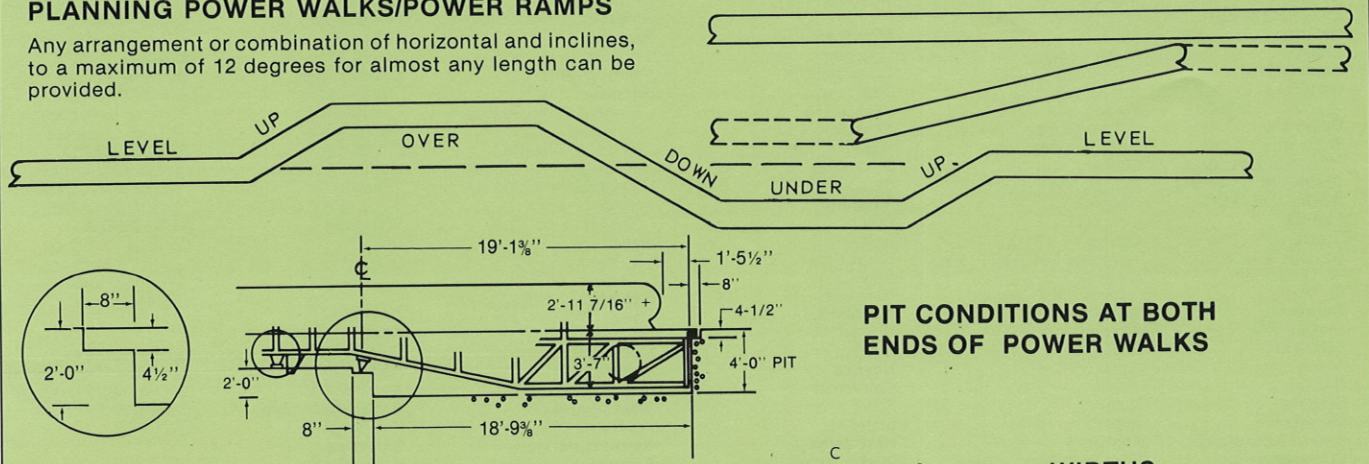
Contact your local Montgomery representative or the Montgomery Elevator Company, Moline, Illinois, for application data, and layout or specification data needed to plan a complete installation.

TOP William B. Hartsfield-
Atlanta International Airport
Atlanta, Georgia
BOTTOM Disneyland
Anaheim, California



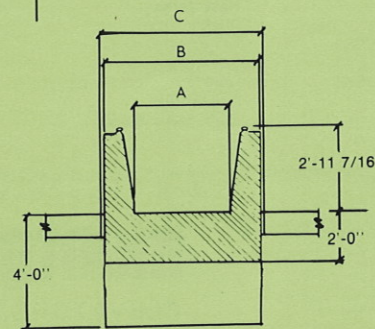
PLANNING POWER WALKS/POWER RAMPS

Any arrangement or combination of horizontal and inclines, to a maximum of 12 degrees for almost any length can be provided.



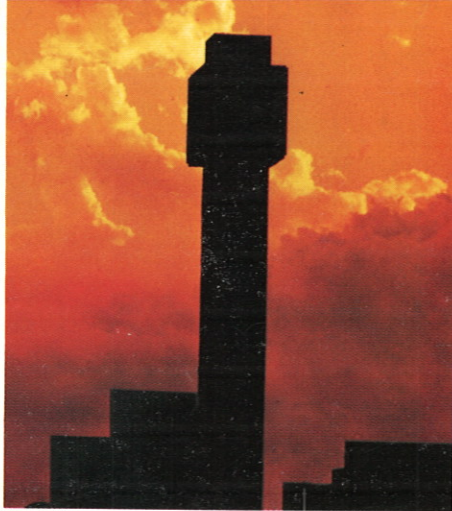
PIT CONDITIONS AT BOTH ENDS OF POWER WALKS

MODEL NO. W = WALK R = RAMP	TREAD WIDTH A	OVERALL WIDTH DECORATOR PANEL OR LATH & PLASTER EXTERIOR COVERING B	WELL WIDTH ROUGH OPENING C
3W-R	24"	4'-4"	OVERALL WIDTH B + 2"
4W-R	32"	5'-0"	
5W-R	40"	5'-8"	



WIDTHS:

Three standard tread widths are 24", 32" and 40". The 24" width accommodates one adult; the 32" width provides ample room for adult and child or adult and shopping cart; the 40" width accommodates two adjacent adults or adult with luggage.



MONTGOMERY SALES/SERVICE OFFICES

UNITED STATES

Alabama

Birmingham
Dothan
Mobile
Montgomery

Alaska

Anchorage
(CMW Company)

Arizona

Phoenix
Tucson

Arkansas

Little Rock

California

Fresno
Long Beach
Lompoc
Los Angeles
Modesto
Palm Springs
Redding
Riverside
Sacramento
San Bernardino
San Diego
San Francisco
San Jose
Santa Maria
Santa Rosa
Stockton
Torrance
Van Nuys

Colorado

Colorado Springs
Denver
Greeley

Connecticut

Hartford
(General Elev. Co.)

Delaware

Wilmington
(General Elev. Co.)

District of Columbia

Washington D.C.

Florida

Cocoa
Daytona Beach
Ft. Lauderdale
Ft. Myers
Gainesville
Jacksonville
Lakeland
Miami
Naples
Orlando
Pensacola
Sarasota/Bradenton
St. Petersburg
Tallahassee
Tampa
West Palm Beach
Georgia
Atlanta

Augusta

Macon

Hawaii

Hilo

Honolulu

Wailuku

Illinois

Bloomington
Carbondale

Chicago

Decatur

Galesburg

Joliet

LaSalle

Moline

(Corp. Hdqts.)

Mt. Vernon

Peoria

Quincy

(Wagner Elev. Serv., Inc.)

Rock Island

Rockford

(Lamps Elev. Sales

& Serv.)

Springfield

Sterling

Indiana

Fort Wayne

(Early Elev. Corp.)

Indianapolis

Kokomo

(Early Elev. Corp.)

Lafayette

Marion

(Early Elev. Corp.)

Muncie

South Bend

(Early Elev. Corp.)

Iowa

Burlington

(Wagner Elev. Serv., Inc.)

Cedar Rapids

Clinton

Des Moines

Dubuque

Iowa City

Ottumwa

(Wagner Elev. Serv., Inc.)

Sioux City

(Carter Elev. Co., Inc.)

Waterloo

Kansas

Hays

Pittsburg

Salina

Topeka

Wichita

Kentucky

Bowling Green

(Murphy Elev. Co.)

Lexington

(Murphy Elev. Co.)

Louisville

(Murphy Elev. Co.)

Louisiana

Baton Rouge

Lafayette

New Orleans

Shreveport

Maryland

Annapolis

(General Elev. Co.)

Baltimore

(General Elev. Co.)

Cumberland

(General Elev. Co.)

Hagerstown

(General Elev. Co.)

Salisbury

(General Elev. Co.)

Massachusetts

Boston

Worcester

Ann Arbor

Benton Harbor

Detroit

Flint

Grand Rapids

Lansing

Muskegon

Traverse City

Minnesota

Minneapolis-St. Paul

Mississippi

Biloxi

Hattiesburg

Jackson

Meridian

Missouri

Columbia

Jefferson City

Joplin

Kansas City

Kirksville

(Wagner Elev. Serv., Inc.)

St. Joseph

St. Louis

Montana

Billings

Butte

Great Falls

Helena

Missoula

Nebraska

Lincoln

Omaha

Nevada

Las Vegas

Reno

Steteline

New Jersey

Atlantic City

(General Elev. Co.)

Camden

(General Elev. Co.)

Kenilworth

(General Elev. Co.)

Monmouth

(General Elev. Co.)

Springfield

(General Elev. Co.)

New Mexico

Albuquerque

New York

Albany

(Midstate Elev. Co.)

Buffalo

(Gallagher Elev. Co., Inc.)

Glen Falls

(Midstate Elev. Co., Inc.)

Ithaca

(Midstate Elev. Co., Inc.)

Long Island City

(Staley Elev. Co.)

Massena

(Midstate Elev. Co., Inc.)

New York City

Rochester

(Gallagher Elev. Co.)

Syracuse

(Midstate Elev. Co., Inc.)

Utica

(Midstate Elev. Co., Inc.)

Watertown

(Midstate Elev. Co., Inc.)

White Plains

(General Elev. Co.)

North Carolina

Boone

Charlotte

Raleigh

Ohio

Akron

Cincinnati

Cleveland

Columbus

Dayton

Toledo

(Toledo Elev. &

Machine Co.)

Oklahoma

Enid

Oklahoma City

Tulsa

Oregon

Eugene

Portland

Pennsylvania

Allentown

(General Elev. Co.)

Harrisburg

(General Elev. Co.)

Lancaster

(General Elev. Co.)

Philadelphia

(General Elev. Co.)

Pittsburgh

(General Elev. Co.)

(Commercial Elev. Co.)

Reading

(General Elev. Co.)

Scranton

(Grindel Elev. Co.)

Williamsport

(General Elev. Co.)

Wilkes-Barre

(General Elev. Co.)

South Carolina

Charleston

South Dakota

(Carter Elev. Co., Inc.)

Rapid City

(Carter Elev. Co., Inc.)

Sioux Falls

(Carter Elev. Co., Inc.)

Tennessee

Kingsport

Knoxville

Memphis

Nashville

(Capitol City Elev.

Co., Inc.)

Texas

Amarillo

Austin

Beaumont

Corpus Christi

Dallas

El Paso

Fort Worth

Galveston

Houston

Laredo

Lubbock

Odessa

San Antonio

Tyler

Waco

Utah

Salt Lake City

Ogden

Vermont

Burlington

Virginia

Norfolk

(General Elev. Co.)

Richmond

(General Elev. Co.)

Washington

Seattle

Spokane

Tacoma

Yakima

West Virginia