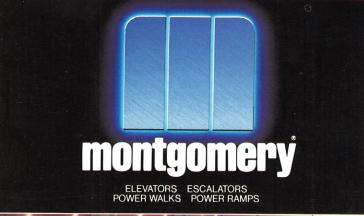
14200/MON BuyLine 3/85









# *STANDARDSŒEXCELLENCE*

The Montgomery Planning Guide provides dimensional data on the full range of equipment manufactured by Montgomery including Passenger, Service & Freight Elevators (Gearless & Geared Traction and Hydraulic) as well as Escalators, Power Walks and Power Ramps. The information provided explains Montgomery standards designed to meet virtually any vertical transportation need.

Montgomery Standards of Excellence offers our Customers Standards of Choice. These standards are the foundation from which design choice can create the exact vertical transportation system required. Montgomery personnel are continuously trained in the proper application of our complete product line. Building traffic analysis, preliminary layout planning and specification preparation are some of the design services offered by Montgomery to tailor equipment to the precise traffic handling requirements of the proposed installation.

# MEGALECH advanced components:

For nearly 100 years, Montgomery has maintained the highest standards of quality in the design and manufacture of vertical transportation equipment. Our on-going program of Research & Development has pioneered many new application approaches which have become industry standards. Our dedication to Research & Development has now created an expanding family of advanced power controls, programmable logic controls along with products incorporating 21st Century lightweight/high strength designs. MEGATECH ADVANCED COMPONENTS, Montgomery Standards of Excellence providing even greater customer opportunity for Standards of Choice:



Fully Integrated Elevator Fixture System



Lightweight/High Strength Passenger Elevator Enclosures

Standard Geared Traction Passenger Elevator System

Standard Holeless Hydraulic Passenger Elevator System



Standard Inground Hydraulic Passenger Elevator System

Reprogrammable Microcomputer Logic Control Systems

Solid State A.C. Power Control

SSC-6010 ® Solid State D.C. Power Control

Solid State High Performance D.C. Power Control

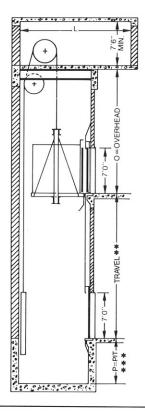
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### TRACTION PASSENGER ELEVATORS

### **High Speed:**

High-Speed Traction Elevators meet the need for high quality performance with speeds to 1200 fpm. Heavy traffic demands are served by MIPROM II® Microcomputer Group Logic Systems.



### **Moderate Speed:**

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

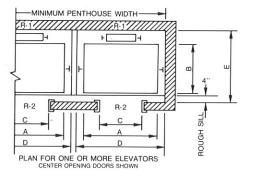
HANDICAPPED REQUIREMENTS AVAILABLE TO MEET NEII STANDARDS, LOCAL CODES OR LAWS.

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

CAR SIZE: Certain minimums may apply. Consult your Montgomery Representative.

For hoistway entrance and sill detail information see page 9.



|   | RECOMMENDED SIZES AND CAPACITIES |                 |               |                             |        |  |  |  |  |  |
|---|----------------------------------|-----------------|---------------|-----------------------------|--------|--|--|--|--|--|
|   | TYPE<br>BUILDING                 | SMALL<br>OFFICE | AVERAGI<br>HO | LARGE<br>OFFICE<br>OR STORE |        |  |  |  |  |  |
|   | CAPACITY                         | 2000#           | 2500#+        | 3000#+                      | 3500#+ |  |  |  |  |  |
|   | A                                | 6'- 0"          | 7'- 0"        | 7'-0"                       | 7'-0"  |  |  |  |  |  |
|   | В                                | 5'- 0"          | 5'- 0"        | 5'-6"                       | 6'-2"  |  |  |  |  |  |
| i | C                                | 3'- 0"          | 3'- 6"        | 3'-6"                       | 3'-6"  |  |  |  |  |  |
| i | D                                | 7'- 4"          | 8'- 4"        | 8'-4"                       | 8'-4"  |  |  |  |  |  |
| Į | E                                | 6'-10"          | 6'-10"        | 7'-4"                       | 8'-0"  |  |  |  |  |  |

|          | OVERHEAD LOADS/LBS. (APPROXIMATE) PER ELEVATOR |         |       |               |       |           |            |            |  |
|----------|--|---------|-------|---------------|-------|-----------|------------|------------|--|
| CAPACITY | UP TO 3  | 50 FPM+ | 400   | FPM 500 FPM-T |       | O-700 FPM | 800 FPM-T0 | O-1200 FPM |  |
|          | R-1  | R-2     | R-1   | R-2           | R-1   | R-2       | R-1        | R-2        |  |
| 2000#    | 18500  | 9500    | N/A   | N/A           | N/A   | N/A       | N/A        | N/A        |  |
| +2500#   | 22000  | 11500   | 25000 | 15000         | 28000 | 18000     | 31000      | 21000      |  |
| +3000#   | 23000  | 11500   | 26000 | 15000         | 29000 | 18000     | 32000      | 22000      |  |
| +3500#   | 24500  | 13000   | 28000 | 16000         | 30000 | 19000     | 33000      | 23000      |  |

| NOTES:  |
|---|
| + Duties noted conform to Montgomery CTX and SPECTRON™              |
| A.C. Geared Traction standard applications. Consult your Montgomery |
| Poproceptative for more information on CTV and CDECTORN TM          |

- epresentative for more information on CTX and SPECIALN .... Montgomery Standards of Excellence.
- 1. 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.
- Add 5" to "E" for counterweight with safety.
- Layouts and dimensions shown are for center opening type entrances. Other types available.

| MINIMUM PIT-OVERHEAD & MACHINE ROOM DIMENSIONS |        |        |                                |        |        |        |        |   |                                       |                                      |
|--|--------|--------|--------------------------------|--------|--------|--------|--------|---|---------------------------------------|--------------------------------------|
| SPEED  | 200+   | 300    | 350+                           | 400    | 500    | 600    | 700    | *800  | *1000                                 | *1200                                |
| L  | 16'-0" | 15'-0" | 15'-0"                         | 15'-0" | 18'-6" | 18'-6" | 18'-6" | 18'-6"  | 18'-6"                                | 18'-6"                               |
| 0  | 15'-6" | 16'-0" | 16'-6"                         | 16'-8" | 17'-6" | 18'-6" | 19'-6" | 21'-6"  | 21'-6"                                | 23'-0"                               |
| Р  | 4'-0"  | 4'-6"  | THE PERSON NAMED IN COLUMN TWO |        |        | 8'-6"  |        | Name of Street, or other Designation of the Owner, where the Party of the Owner, where the Owner, which the | THE RESIDENCE IN COLUMN 2 IN COLUMN 2 | Name and Address of the Owner, where |

- 5. Consult your Montgomery Representative for specific recommendations where space is limited or other conditions necessitate further study.
- 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 feet, add ¼" to overall hoistway width and depth for each additional 25 feet of travel.
- \*\*\*Increase pit dimension for 400 FPM to 7'-4" where COMPENSATION is required.



# **MONTGOMERY** PASSENGER ELEVATORS

### **Basement Type-Moderate Speed:**

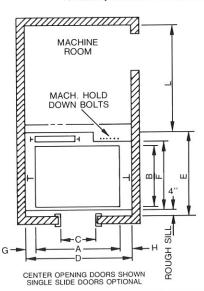
Basement type traction elevators are utilized for limited overhead conditions in new and existing buildings. The hoisting machine is off-set at the side of the hoistway. The machine may be located at any suitable elevation and need not be at the "basement." This type of elevator facilitates future floor expansion.

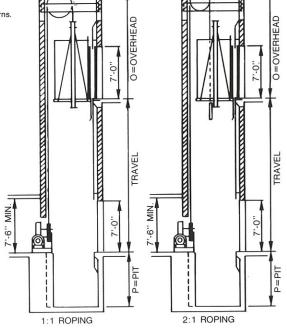
HANDICAPPED REQUIREMENTS AVAILABLE TO MEET NEII STANDARDS, LOCAL CODES OR LAWS.

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

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. CAR SIZE: Certain minimums may apply. Consult your Montgomery Representative.

For hoistway entrance and sill detail information see page 9.





#### 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<br>BUILDING | APARTMENT<br>OR<br>SMALL OFFICE   | AVERAGE OFFICE<br>HOTEL  |  | LARGE<br>OFFICE<br>OR STORE  |
|------------------|---|--|--|--|
| CAPACITY         | 2000#   | 2500#  | 3000#  | 3500#  |
| ABCDEFGH         | 6'- 0''<br>5'- 0''<br>3'- 0''<br>7'-10''<br>6'-10''<br>5'- 5''<br>11''' | 7'- 0"<br>5'- 0"<br>3'- 6"<br>8'- 4"<br>6'-10"<br>5'- 5"<br>8" | 7'- 0"<br>5'- 6"<br>3'- 6"<br>8'- 4"<br>7'- 4"<br>5'-11"<br>8"<br>8" | 7'-0''<br>6'-2''<br>3'-6''<br>8'-4''<br>8'-0''<br>6'-7''<br>8''<br>8'' |
|                  | DECOMMENDED   | MACHIN   | E BOOM   |  |

# RECOMMENDED MACHINE ROOM OVERHEAD & PIT DIMENSIONS

| OVERHEAD & PIT DIMENSIONS |                           |                              |                           |                              |                              |  |  |  |
|---------------------------|---------------------------|------------------------------|---------------------------|------------------------------|------------------------------|--|--|--|
| SPEED                     | 100                       | 200                          | 250                       | 300                          | 350                          |  |  |  |
| L O P                     | 10'-6"<br>16'-7"<br>4'-0" | 10'-6''<br>17'-1''<br>4'-0'' | 10'-6"<br>17'-5"<br>4'-6" | 10'-6''<br>17'-6''<br>4'-6'' | 10'- 6"<br>17'- 9"<br>5'- 1" |  |  |  |

#### NOTES:

- Pit depths, overhead clearance and penthouse sizes are in accordance with ANSI/ASME code requirements. Local codes may vary these requirements.
- Add 5" to "E" for counterweight with safety at speeds of 200 F.P.M.. or more.
- 3. 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.

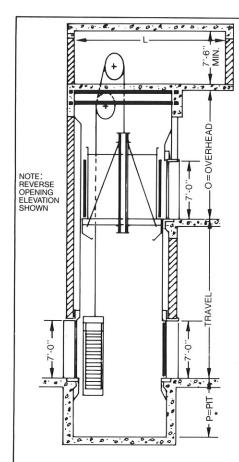
#### RECOMMENDED SIZES & CAPACITIES

|   | TYPE<br>BUILDING | APARTMENT OR SMALL OFFICE | E OFFICE<br>TEL |         |
|---|------------------|---------------------------|-----------------|---------|
|   | CAPACITY         | 2000#                     | 2500#           | 3000#   |
|   | Α                | 6'- 0''                   | 7'- 0"          | 7'- 0'' |
| E | В                | 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"     |
|   | Н                | 12"                       | 12"             | 12"     |
|   | R                | ECOMMENDED MAC            | HINE BOO        | M       |

# RECOMMENDED MACHINE ROOM OVERHEAD & PIT DIMENSIONS

| SPEED | 100     | 200    | 250      | 300     |
|-------|---------|--------|----------|---------|
| L     | 10'-6'' | 10'-6" | 10'- 6"  | 10'-6"  |
| 0     | 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.
- All data is general. Consult your local Montgomery Representative for exact information for your working drawings.



### Hospital Shape (Passenger/Service):

Passenger/Service (Hospital Shape) 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, LOCAL CODES OR LAWS.

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

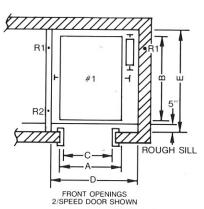
Placement of car controls, hall buttons and phone (or intercommunication equipment) for easy access.

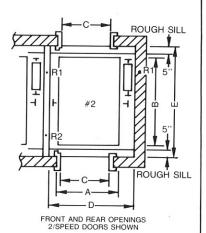
Tactile markings for operating switches, buttons and hoistway door jambs.

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

CAR SIZE: Certain minimums may apply. Consult your Montgomery Representative.

For hoistway entrance and sill detail information see page 9.





ONE OR MORE ELEVATORS

|                  | RECOMMENDED SIZES & CAPACITIES            |   |   |   |  |  |  |   |  |  |
|------------------|---|---|---|---|--|--|--|---|--|--|
| CAPACITY         | 3500#                                     |   | 4000#                                     |   | 4500#                                      |  | 5000#                                      |   |  |  |
|                  | #1  | #2  | #1  | #2  | #1   | #2   | #1   | #2  |  |  |
| A<br>B<br>C<br>D | 5'-4"<br>8'-4"<br>3'-8"<br>7'-5"<br>9'-3" | 5'-4"<br>9'-0"<br>3'-8"<br>7'-5"<br>10'-3½" | 5'-8"<br>8'-8"<br>4'-0"<br>7'-8"<br>9'-7" | 5'-8"<br>9'-4"<br>4'-0"<br>7'-8"<br>10'-7½" | 5'-8"<br>9'-4"<br>4'-0"<br>7'-8"<br>10'-3" | 5'-8"<br>10'-0"<br>4'-0"<br>7'-8"<br>11'-3½" | 6'-4"<br>8'-10"<br>4'-6"<br>8'-5"<br>9'-9" | 6'-4"<br>9'-6"<br>4'-6"<br>8'-5"<br>10'-9½" |  |  |
|                  | MINIMUI                                   | M PIT, OVE                                  | RHEAD A                                   | AND MACH                                    | HINE ROC                                   | M DIMEN                                      | SIONS                                      |   |  |  |
| SPEED            | 10  | 00  | 2   | 00  | 3  | 50   | 5  | 00  |  |  |
| L<br>O<br>P      | 18'-0"<br>15'-6"<br>4'-0"                 |   | 18'-0"<br>15'-9"<br>4'-0"*                |   | 18'-0"<br>16'-6"<br>5'-1"**                |  | 19'-0''<br>17'-7''<br>6'-7''***            |   |  |  |

| 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.
- Pit depths, overhead clearance and penthouse sizes are in accordance with ANSI/ASME code requirements. Local codes may vary these requirements.
- 3. Add 5" to "D" for counterweight with safety at speeds of 200 F.P.M. or more
- 4. Layouts and dimensions shown are for two speed type entrances.
- 5. Consult your Montgomery Representative for specific recommendations where space is limited or other conditions may necessitate
- All data is general. Consult your local Montgomery Representative for exact information for your working drawings.
- \*5'-0" Pit required when "B" exceeds 9'-0"
- \*\*5'-6" Pit required when "B" exceeds 9'-0".
- \*\*\*7'-8" Pit required with cable compensation.



# **montgomery** Passenger & Service Elevators

## Hydraulic:

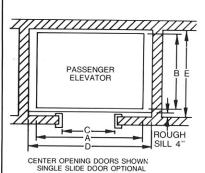
Hydraulic Elevators are designed to meet varying performance requirements with car speeds to 200 feet per minute and maximum travel to 70 feet. They are easily adapted to most low rise buildings and frequently produce economic advantages over hoist rope traction elevators.

HANDICAPPED REQUIREMENTS AVAILABLE TO MEET NEII STANDARDS, LOCAL CODES OR LAWS. National Elevator Industry, Inc. (NEII) Handicapped Standards are:

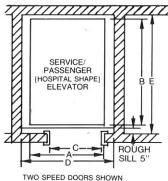
Placement of car controls, hall buttons and phone (or intercommunication equipment) for easy access. Tactile markings for operating switches, buttons and hoistway door jambs.

Handrails in car – dual ray door protection – audible signals in car position indicator and lanterns. CAR SIZE: Certain minimums may apply. Consult your Montgomery Representative.

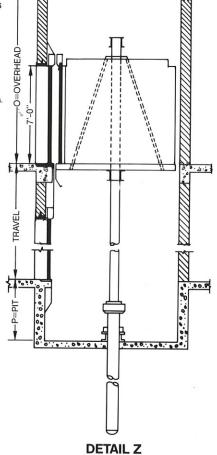
For hoistway entrance and sill detail information see page 9.



**DETAIL X** 



**DETAIL Y** 



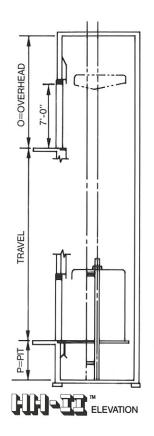
| FOR OFFICE BUILDINGS, HOTELS, MOTELS,<br>APARTMENTS, BANKS, STORES, LIBRARIES, ETC.<br>(Details X & Z) |   |  |  |  |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|--|--|--|
| CAPACITY   | CAPACITY 1500# 2000# 2500# 3000# 3500#                              |  |  |  |  |  |  |  |  |  |
| A<br>B<br>C<br>D<br>E<br>O<br>P  | 4'-10"<br>5'- 0"<br>2'- 8"<br>6'- 8"<br>5'- 9"<br>12'- 8"<br>4'- 0" | 6'-0"<br>5'-0"<br>3'-0"<br>7'-4"<br>5'-9"<br>12'-8"<br>4'-0" | 7'-0"<br>5'-0"<br>3'-6"<br>8'-4"<br>5'-9"<br>12'-8"<br>4'-0" | 7'-0"<br>5'-6"<br>3'-6"<br>8'-4"<br>6'-3"<br>12'-8"<br>4'-0" | 8'-0"<br>5'-6"<br>4'-0"<br>9'-4"<br>6'-3"<br>12'-8"<br>4'-0" |  |  |  |  |  |

| HOS      |        | D INSTITUTI<br>s Y & Z) | IONS   | 1 - Single E<br>2 - Double |        |           |
|----------|--------|-------------------------|--------|----------------------------|--------|-----------|
| CAPACITY | 350    | 00#                     | 40     | 00#                        | 45     | 00#       |
|          | 1      | 2                       | 1      | 2                          | 1      | 2         |
| A        | 5'-4"  | 5'-4"                   | 5'-8"  | 5'-8"                      | 5'-8"  | 5'-8"     |
| В        | 8'-4"  | 9'-0"                   | 8'-8"  | 9'-4"                      | 9'-4"  | 10'-0"    |
| C        | 3'-8"  | 3'-8"                   | 4'-0"  | 4'-0"                      | 4'-0"  | 4'-0"     |
| D        | 6'-9"  | 6'-9"                   | 7'-4"  | 7'-4"                      | 7'-4"  | 7'-4"     |
| E        | 9'-3"  | 10'-31/2"               | 9'-7"  | 10'-71/2"                  | 10'-3" | 11'-31/2" |
| 0        | 13'-0" | 13'-0"                  | 13'-0" | 13'-0"                     | 13'-0" | 13'-0"    |
| P        | 4'-0"  | 4'-0"                   | 4'-0"  | 4'-0"                      | 4'-0"  | 4'-0"     |

#### NOTES:

- A legal machine room meeting Code requirements and ven-tilated 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.
- Pit depths and overhead clearances are in accordance with ANSI/ASME code requirements. Local codes may vary these
- Layout and dimensions shown for passenger elevators based on center opening type entrances and for hospital elevators based on two speed type entrances.
- Consult your local Montgomery Office for more information regarding Notes 1 and 2.

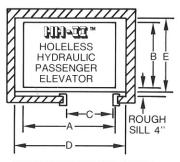
  All data is general. Consult your local Montgomery Representative for exact information for your working drawings.

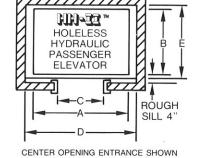


# Holeless Hydraulic:

HH-II Holeless Hydraulic Elevators offer very competitive pricing as well as extremely short lead time for fabrication, shipment and installation. The HH-II line of Holeless Hydraulic Elevators is offered in two sizes; each designed to service two landings in line. Car speeds of 80 FPM and 125 FPM are available. All necessary approvals are accomplished on a single sheet!

Because of the broad range of STANDARD FEATURES on the HH-II, Montgomery is able to fabricate and ship all necessary material in as little as six weeks from the date of order and approval receipt. However, there is no sacrifice in the flexibility of entrance and decor options to "customize" your HH-II Holeless Hydraulic Passenger Elevator. The Montgomery Triad Passenger Elevator Car is standard on the HH-II.





| SINGLE | SLIDE | ENTRANCE | SHOWN |
|--------|-------|----------|-------|
|        |       |          |       |

| HH-II C       | CAPAC                                  | CITIES-SPEEDS         | S-GENERAL DATA-SPA                             | CE REQUIREMENTS  |
|---------------|--|-----------------------|--|--|
|               | Ту                                     | pe                    | Holeless                                       | Hydraulic  |
|               | Ser                                    | vice                  | Pass   | enger  |
|               | Sp                                     | eed                   | 80 FPM 8                                       | 125 FPM  |
|               | Min.                                   | Travel                | 8'-  | -4"  |
|               | Max.                                   | Travel                | Consult your Montgo                            | mery Representative  |
| M             | ax. La                                 | andings               | 2 In   | line   |
|               | Cap                                    | acity                 | 2000 lbs.                                      | 2500 lbs.  |
| (V            | Vide :                                 | Car Size<br>( Deep)   | 5'8" x 4'-3"                                   | 6'8" x 4'-3"   |
| Alphabetical  |  | A<br>B<br>C<br>D<br>E | 6'-0''<br>5'-0''<br>3'-0''<br>7'-4''<br>5'-9'' | 7'-0''<br>5'-0''<br>3'-6''<br>8'-4''<br>5'-9''                         |
| 0             | 8                                      | (P)<br>&<br>ead (O)   | may be varied to suit                          | overhead dimensions<br>to building conditions.<br>omery Representative |
|               |  | e Room<br>O x H)      | 7'-6" x 5'-0"                                  | x 7'-6" (min.)   |
| Hois<br>Types | tway<br>(All 7<br>Stan<br>Opti<br>Opti | onal                  | Single S<br>Single S<br>Center (               |  |

#### HH-II and MX-3 Notes:

- 1. HANDICAPPED REQUIREMENTS AVAILABLE TO National Elevator Industry, Inc. (NEII) Handic Placement of car controls, hall buttons and r Tactile markings for operating switches, butt Handrails in car - dual ray door protection -CAR SIZE: Certain minimums may apply. Col
- 2. For hoistway entrance and sill detail informatio
- 3. A legal machine room meeting code requireme must be provided.
- 4. Pit depth and overhead clearance are in accor may vary these requirements.
- 5. Consult your local Montgomery Office for more
- 6. All data is general. Consult your local Montgon drawings
- 7. R/H = RIGHT HAND

i.e. Standing in car facing door Door OPENS to right.

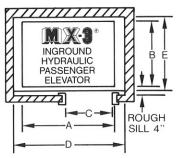
L/H = LEFT HAND

# STANDARDS TEXCELLENCE

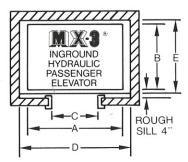
# MX-3 Inground Hydraulic:

The MX-3 Standard Hydraulic Passenger Elevator is born from the technologies initially developed for Montgomery's HH-II product line. The MX-3 is an Inground Hydraulic Elevator which offers very competitive pricing as well as extremely short leadtime for fabrication, shipment and installation. The MX-3 line of Inground Hydraulic Elevators is offered in three sizes; each designed to service three landings in line. Car speeds of 80 FPM and 125 FPM are available. All necessary approvals are accomplished on a single sheet!

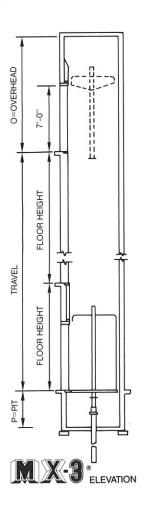
Because of the broad range of STANDARD FEATURES on the MX-3, Montgomery is able to fabricate and ship all necessary material in as little as eight weeks from the date of order and approval receipt. However, there is no sacrifice in the flexibility of entrance and decor options to "customize" your MX-3 Inground Hydraulic Passenger Elevator. The Montgomery Triad Passenger Elevator Car is standard on MX-3.



SINGLE SLIDE ENTRANCE SHOWN



CENTER OPENING ENTRANCE SHOWN



) MEET NEII STANDARDS, LOCAL CODES OR LAWS. apped Standards are:

hone (or intercommunication equipment) for easy access. ons and hoistway door jambs.

audible signals in car position indicator and lanterns.
 nsult your Montgomery Representative.

n see page 9.

nts and ventilated with temperature between 65° and 100°F

dance with ANSI/ASME code requirements. Local codes

information regarding Notes 3 and 4.

nery Representative for exact information for your working

|                              |  |  |  | QUIREMENTS                                |
|------------------------------|--|--|--|---|
| Ту                           |  | ın   | ground Hydraul   | IC  |
| Sen                          | vice   |  | Passenger  |   |
| Spe                          | eed  | 8  | ) FPM & 125 FP   | M   |
| Min.                         | Travel   |  | 16'-8"   |   |
| Max.                         | Travel   | Consult your                                   | Montgomery Re  | epresentative                             |
| Max. L                       | anding   |  | 3 Inline   |   |
| Cap                          | acity  | 2000 lbs.                                      | 2500 lbs.  | 3000 lbs.                                 |
| Clear C<br>(Wide)            | ar Size<br>(Deep)                                | 5'-8" x 4'-3"                                  | 6'-8" x 4'-3"  | 6'-8" x 4'-9"                             |
| Alphabetical<br>Dimensions   | A B C D E  | 6'-0''<br>5'-0''<br>3'-0''<br>7'-4''<br>5'-9'' | 7'-0''<br>5'-0''<br>3'-6''<br>8'-4''<br>5'-9''         | 7'-0"<br>5'-6"<br>3'-6"<br>8'-4"<br>6'-3" |
| Pit De                       | oth (P)  | 4'-0"  | 4'-0"  | 4'-0''                                    |
| Clear Ove                    | rhead (O)  |  | 12'-2" @ 80 FPN<br>2'-4" @ 125 FPI                     |   |
|                              | e Room<br>O x H)                                 | 7'-6"  | x 5'-0" x 7'-6"  | (min.)                                    |
| Types (All 7<br>Stan<br>Opti | Entrance<br>7'-0" High):<br>dard<br>onal<br>onal |  | Single Slide R/F<br>Single Slide L/F<br>Center Opening | 1   |

### **ELEVATOR ENTRANCES**

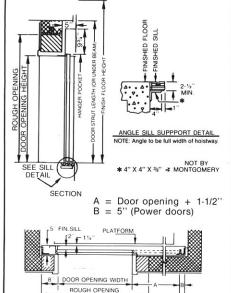
#### **Passenger Entrances:**

Montgomery standard entrances, as shown, are available in a wide range of finishes and materials designed for masonry wall installation (as shown) and also drywall application. Custom entrances are also available. Contact your local Montgomery Representative for details. NOTE: Wherever possible, front hoistway walls should not be erected until after door equipment is installed.

ROUGH OPENING (for standard unit-type frames installed in masonry walls): Width of door opening plus 8" on each side. Height of door opening plus 8" above.

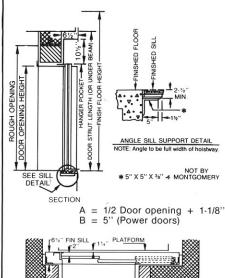
### Single Speed Slide:

Maximum opening width approximately 1/2 width of car. Opening width should not exceed 3'-6". Provides a sliding door at moderate cost.



### Two Speed Slide:

Door opening is approximately 2/3 width of

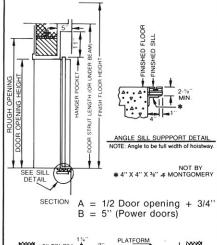


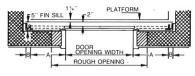
DOOR OPENING WIDTH

ROUGH OPENING

### Center Opening Slide:

Opening is approximately 1/2 width of car. Simultaneous opening of each door panel, at equal speed, reduces opening time to 1/2 that required for other types of sliding doors

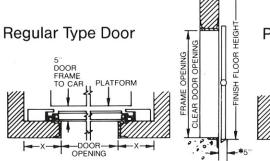




## Freight Doors:



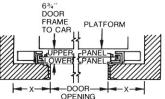
NOTE: FREIGHT DOOR FRAMES AND SILLS NOT BY MONTGOMERY

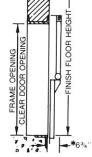


| 1 |  |  |  |  |
|---|--|--|--|--|
|   |  | MUM FLOOR HEI<br>OPENING HEIGH                                 |  |  |
|   | OPENING HEIGHT<br>OF DOOR                                | REGULAR<br>TYPE DOOR   | *PASS TYPE<br>DOOR   |  |
|   | 6'-6''<br>7'-0''<br>7'-6''<br>8'-0''<br>8'-6''<br>9'-0'' | 10'-3''<br>11'-0''<br>11'-9''<br>12'-6''<br>13'-3''<br>14'-0'' | 9'-3''<br>9'-9''<br>10'-3''<br>10'-9''<br>11'-3''<br>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.

# Pass Type Door





### DIMENSION KEY

- X –12" minimum return required for motorized door of either type shown.
- X –9" minimum return required for manual door of either type shown. Minimum pit depth = ½ 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.

# Montgomergy **MEGATECH** advanced components:

An expanding family of standard products incorporating advanced technology... made possible by Montgomery's continuing commitment to research and development. Systems designed with inherent flexibility to serve our Customer's vertical transporation needs into the 21st Century.



...a Montgomery Megatech Advanced Component.

The Standard Passenger Elevator Car designed and built by the people of Montgomery for the real #1...the Montgomery Customer!

Triad uses 21st Century materials; having inherent structural integrity; while assuring dramatic weight reduction. This provides the Montgomery Customer with financial benefits at the time of purchase and continued economies throughout elevator operation.

Triad is more than lightweight...Triad is a fully tested, quality product in the rich tradition of Montgomery Elevator Company...for nearly 100 years...the leader in innovation and dependability. Triad design is so unique that several U.S. Patents are pending. Triad standard components and the huge family of Triad options all meet strict code requirements.



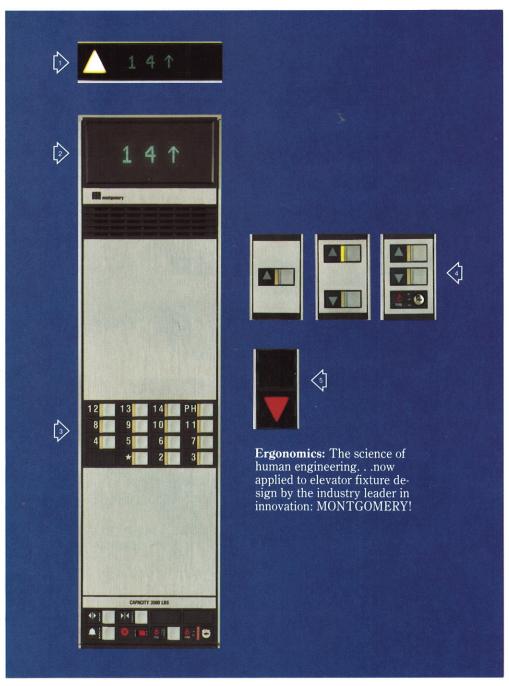
...a Montgomery Megatech Advanced Component. A fully integrated Elevator Fixture System combining the highest quality materials and workmanship with advancements in microcircuitry to produce intra-fixture logic; millisecond data generation, processing and response.

Vector is more than just a new "look." A true enhancement in elevator fixtures made possible through "ergonomics", the science of "human engineering", permitting the Vector Fixture System to interact with the elevator passenger providing flexibility of application, ease of use, clear graphics and trouble free operation.

Standard Vector Fixtures utilize #4 finish (brushed) stainless steel as shown. Bronze and stainless steel in various finishes may be substituted. Consult your Montgomery Representative.







Combination Hall Lantern/Digital Hall Position Indicator

Car Station incorporates a fluorescent, dot-matrix Car Position Indicator displaying floor designations and direction of travel. Any single or dual character combination of numerals and/or letters can be displayed.

Floor identification is by Tactile symbols, numerals and/or letters in any single or dual character combination along with corresponding braille. Adjacent space can be provided for special floor engraving identification. Registration of a car call is acknowledged by illumination of an L.E.D. light bar adjacent to that button. The Service Cabinet is located directly above the car pushbuttons behind a vandal-resistant, flush access door.

Hall pushbutton Stations are available for terminal landings, intermediate floors as well as landings requiring specialized key/operated control. An L.E.D. light bar, adjacent to the button, illuminates to acknowledge a hall call.

Car Direction Sign may be mounted on either car entrance column or rear car wall. Hall Lanterns, designed for either vertical or horizontal display can be mounted at one or more floor lobbies. The UP or DOWN arrow illuminates, corresponding to the direction car will travel. An electronically enhanced tone sounds to alert the passenger to signal illumination.

15





▲ STRATUS™ Ceiling System...a Montgomery exclusive. A totally new concept in Passenger Car Ceilings. The panelized aluminum linear design is suspended in the TRIAD ceiling frame. STRATUS offers over 120 colors and metallic finishes. Semi-specular parabolic light diffusers are integral to the unique panel arrangement providing exceptional light transmission through translucent, code approved, diffuser caps.

STRATUS...another standard of choice... patents pending...exclusively from Montgomery!



With over 11,000,000 appearance variations, TRIAD makes Montgomery's Standards of Excellence...your Standards of Choice.



The basic TRIAD provides a foundation for enhancement in design through customer choice of optional features and materials:

- ▲ Stainless steel and bronze in various finishes.
- ▲ Over 150 Formica® colors/patterns for applied panels.
- ▲ Handrails in a variety of sizes/shapes/ metals/finishes.
- ▲ Compatible with the Vector® Fixture System or conventional design signal fixtures.
- ▲ 10 foot tall car with 7, 8' or 9' high car doors.
- ▲ Perimeter base (vented/non-vented) in stainless steel or baked enamel.
- ▲ Ceiling frame with baked enamel finish.





## Montgomergy **MEGAIECH** advanced components:

New concepts in vertical transportation standards. Basic designs providing cost benefits and flexibility of choice. Montgomery Standards of Excellence...your Standards of Choice.

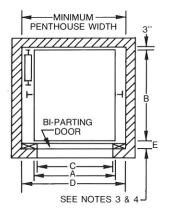


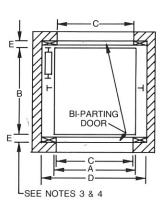
# **montgomery** Freight Elevators

#### **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 automatic load weighing device, which warns against overloading. Also recommended are power operated hoistway doors and car gate(s) for medium and heavy duty installations.

For freight door details see page 9.





O=OVERHEAD **TRAVEL** P=PIT

For further information regarding ANSI/ASME Freight Elevator Loading Classifications (Classes A, B, C-1, C-2 & C-3) consult your local Montgomery Representative.

| LIGHT    | AND MED | IUM DUTY | FREIGHT | ELEVATO | RS      |
|----------|---------|----------|---------|---------|---------|
| CAPACITY | 2500#   | 3000#    | 4000#   | 6000#   | 8000#   |
| Α        | 5'-4"   | 6'-4''   | 6'-4''  | 8'-4"   | 8'-4"   |
| В        | 7'-0"   | 8'-0"    | 8'-0"   | 10'-0"  | 10'-0"  |
| C        | 5'-0"   | 6'-0"    | 6'-0"   | 8'-0"   | 8'-0"   |
| D        | 7'-4"   | 8'-4"    | 8'-4"   | 10'-4"  | 10'-10" |
| L        | 13'-0"  | 14'-0"   | 14'-0"  | 14'-0"  | 14'-0"  |
|          |         |          |         |         |         |

| HEAVY DUTY | POWER T | RUCK LOA | DING FRE | EIGHT ELE | VATORS  |
|------------|---------|----------|----------|-----------|---------|
| CAPACITY   | 10,000# | 12,000#  | 16,000#  | 18,000#   | 20,000# |
| Α          | 8'-4"   | 10'-4"   | 10'-4"   | 10'-4"    | 12'-4"  |
| В          | 12'-0"  | 14'-0"   | 14'-0"   | 16'-0"    | 20'-4"  |
| C          | 8'-0"   | 10'-0"   | 10'-0"   | 10'-0"    | 12'-0"  |
| D          | 11'-4"  | 13'-6"   | 14'-0"   | 14'-2"    | 16'-6"  |
| L          | 14'-0"  | 15'-0"   | 15'-0"   | 17'-0"    | 21'-0"  |
|            |         |          |          |           |         |

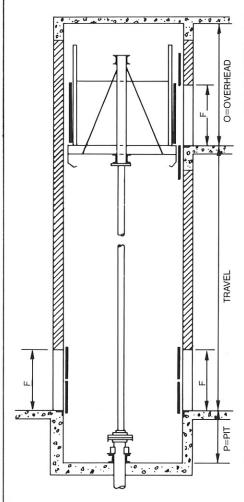
|           |                   |                   | OIMENSIONS<br>GHT ELEVA |                   |
|-----------|-------------------|-------------------|-------------------------|-------------------|
| CAR SPEED | 50                | 75                | 100                     | 200               |
| O<br>P    | 16'-0''<br>5'-6'' | 16'-0''<br>5'-6'' | 16'-0''<br>5'-6''       | 16'-0''<br>6'-0'' |

| MINIM<br>FOR HEAVY D |        |             | IMENSIONS<br>EIGHT ELEV | ATORS      |
|----------------------|--------|-------------|-------------------------|------------|
| CAR SPEED            | 50     | 75          | 100                     | 200        |
| O<br>P               | Consul | t your Mont | gomery Repr             | esentative |

- Pit depths, overhead clearance and penthouse sizes are in accordance with ANSI/ASME code requirements. Lcoal codes may vary
- these requirements.

  For capacities over 20,000 lbs. or speeds over 200 f.p.m., consult your Montgomery Representative.

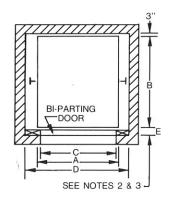
  Dimensions E = 5" for regular type counter balanced hoistway doors and 6%" for pass type counter balanced hoistway doors.
- Pass type hoistway doors are required when floor heights are less than 11'-0" for 7'-0" openings and less than 14'-0" for 9'-0" openings. See chart on page 9 for other door sizes.
- Dimension F = 7'-0" on light & medium duty and 8'-0" (or as required) for heavy duty doors. Doors higher than 8'-0" require additional overhead height.
- For large heavy duty doors consult your Montgomery Representative.
- All data is general. Consult your local Montgomery Representative
- for exact information for your working drawings.
  For reactions, consult your local Montgomery Representative.

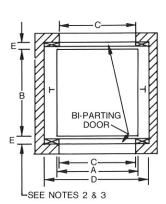


### **Hydraulic:**

Hydraulic Freight Elevators also meet and exceed the heavy duty requirements of freight type loading. They are recommended for nominal speed and travel requirements. Features of this type elevator include minimum hoistway 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 9.





For further information regarding ANSI/ASME Freight Elevator Loading Classifications (Classes A, B, C-1, C-2 & C-3) consult your local Montgomery Representative.

| LIGHT                               | AND ME                                   | EDIUM D                              | UTY FRE                                  | IGHT EL                               | EVATOR                             | S                                  |
|-------------------------------------|--|--------------------------------------|--|---------------------------------------|------------------------------------|------------------------------------|
| CAPACITY                            | 2000#                                    | 3000#                                | 4000#                                    | 5000#                                 | 6000#                              | 8000#                              |
| A<br>B<br>C<br>D-manual             | 5'- 0''<br>6'- 0''<br>4'- 8''<br>6'- 4'' | 5'- 6"<br>7'- 0"<br>5'- 2"<br>6'-10" | 6'- 6''<br>8'- 0''<br>6'- 2''<br>7'-10'' | 8'- 6"<br>10'- 0"<br>8'- 2"<br>9'-10" | 8'-6"<br>12'-0"<br>8'-2"<br>10'-0" | 8'-6"<br>12'-0"<br>8'-2"<br>10'-6" |
| doors<br>D-power<br>doors<br>O-7'0" | 6'-10"                                   | 7'- 4"                               | 8'- 4"<br>13'- 2"                        | 10'- 4"<br>13'- 2"                    | 10'-6''<br>13'-2''                 | 10'-6"                             |
| high<br>doors<br>O-8'-0''<br>high   | 14'- 2"                                  | 14'- 2"                              | 14'- 2"                                  | 14'- 2"                               | 14'-2"                             | 14'-2''                            |
| doors                               | 4'- 6"                                   | 4'- 6"                               | 4'- 6"                                   | 4'- 6"                                | 4'-6''                             | 5'-0''                             |

| 110120 |
|--------|
|--------|

- Dimensions O and P are based on car speeds up to 150 fpm.
- Dimensions O and P are based on car speeds up to 150 Jpm.
  Dimension E = 5" for regular type counter balanced hoistway doors and 6%" 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 9 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 ven-tilated 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 LOADING FREIGHT ELEVATORS |                    |                    |                    |                    |                    |  |  |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|--|--|
| CAPACITY   | 10,000#            | 12,000#            | 16,000#            | 18,000#            | 20,000#            |  |  |
| A<br>B   | 10'-6''<br>14'-0'' | 10'-6''<br>14'-0'' | 10'-6''<br>16'-0'' | 10'-6''<br>16'-0'' | 12'-6"<br>20'-0"   |  |  |
| C<br>D-manual<br>doors                           | 10'-2''<br>12'-6'' | 10'-2''<br>12'-6"  | 10'-2''<br>12'-6'' | 10'-2''<br>12'-6"  | 12'-2''<br>14'-6'' |  |  |
| D-power<br>doors                                 | 12'-6''            | 12'-6''            | 12'-6''            | 12'-6''            | 14'-6''            |  |  |
| O-7'-0"<br>high<br>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''             |  |  |

- 6. 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.
  For reactions, consult your local Montgomery Representative.



Escalators move more people at a lower cost per passenger than any other form of vertical transportation. They may be used as the primary carrier in retail buildings, in transportation terminals and in highly populated office buildings. They can also effectively augment elevator systems, especially in high rise office buildings, permitting elevator systems to provide more effective service to other areas of the building.

EFFICIENCY: two steps on the same level at entry and exit speeds and safeguards traffic "a montgomery exclusive"

DESIGN/ENGINEERING: heavy duty construction for long life and trouble free operation

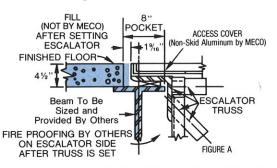
LOW COST MAINTENANCE: attained by high quality heavy duty equipment

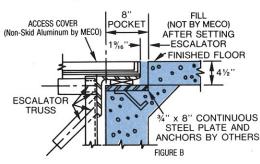
APPEARANCE: durable modern materials retain attractive appearance

SAFETY: more and better safety devices than any other escalator **DEPENDABILITY:** quickly and easily serviced . . . less down time

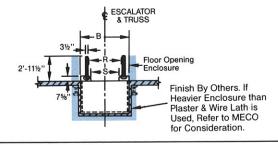
MANUFACTURE: designed and built in the UNITED STATES

## crystal 2000® glass balustrade & solid balustrade-end support details

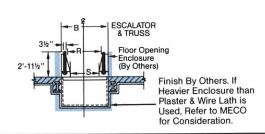




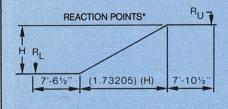
### crystal 2000® glass balustrade—section



# solid balustrade-section



|    | ESCALATOR       | REACTIONS*           |
|----|-----------------|----------------------|
| 3E | ESCALATOR       |                      |
| RL | (550)H + 10,000 | RU = (550)H + 11,100 |
| 4E | ESCALATOR       |                      |
| RL | (660)H + 10,570 | RU = (660)H + 11,670 |
| 5E | ESCALATOR       |                      |
| RL | (660)H + 11,650 | RU = (660)H + 12,750 |



\*Reaction formulae

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

| ings of the shutter enclos | Suite                    |
|----------------------------|--------------------------|
| are not furnished by the   | balu                     |
| manufacturer.              |                          |
|                            | are not furnished by the |

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

#### LAYOUT NOTE:

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

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

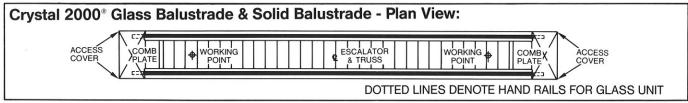
E-F - Detail and kind of wellway railwhich strade

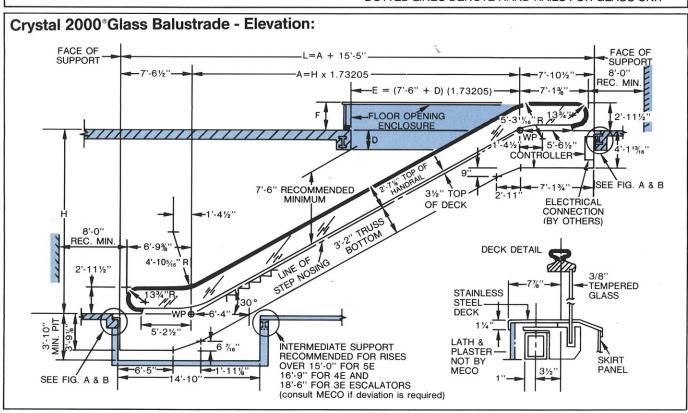
#### NOTES:

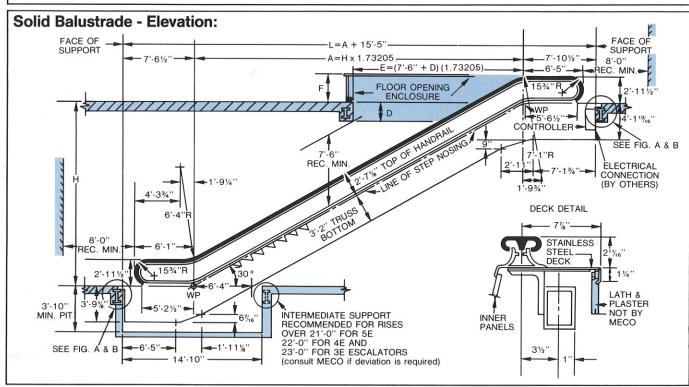
- 1. Includes exterior of lath and plaster by others.
- Enclosure between rough opening and finished escalators to be provided by others.



Consult MECO for reactions if intermediate support is used.









# **MONTGOMERY** ESCALATORS-POWER WALKS-POWER RAMPS

### **Escalator 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; permanent magnet brake; portable 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.
- Flooring within 8" of escalator floor access doors (top and bottom) is not to be laid until floor access doors are in place.
- 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.
  - \*CSA listed

# OWNER TO PROVIDE AND INSTALL THE FOLLOWING

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

# 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" |

| 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" |

| 120/90 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" |  |  |  |  |

#### POWER DATA

|    |                                   |                                  | 90 FPM                            |                                  |                                   |                                  |
|----|-----------------------------------|----------------------------------|-----------------------------------|----------------------------------|-----------------------------------|----------------------------------|
|    | 200 VOLTS                         |                                  | 460 VOLTS                         |                                  | 575 VOLTS                         |                                  |
| НР | STARTING<br>CURRENT<br>IN AMPERES | RUNNING<br>CURRENT<br>IN AMPERES | STARTING<br>CURRENT<br>IN AMPERES | RUNNING<br>CURRENT<br>IN AMPERES | STARTING<br>CURRENT<br>IN AMPERES | RUNNING<br>CURRENT<br>IN AMPERES |
| 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 |                                   |                                  |                                   |                                  |                                   |                                  |  |
|---------|-----------------------------------|----------------------------------|-----------------------------------|----------------------------------|-----------------------------------|----------------------------------|--|
|         | 200 VOLTS                         |                                  | 460 VOLTS                         |                                  | 575 VOLTS                         |                                  |  |
| НР      | STARTING<br>CURRENT<br>IN AMPERES | RUNNING<br>CURRENT<br>IN AMPERES | STARTING<br>CURRENT<br>IN AMPERES | RUNNING<br>CURRENT<br>IN AMPERES | STARTING<br>CURRENT<br>IN AMPERES | RUNNING<br>CURRENT<br>IN AMPERES |  |
| 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) |                                   |                                  |                                   |                                  |                                   |                                  |  |  |
|----------------------|-----------------------------------|----------------------------------|-----------------------------------|----------------------------------|-----------------------------------|----------------------------------|--|--|
|                      | 200 VOLTS                         |                                  | 460 VOLTS                         |                                  | 575 VOLTS                         |                                  |  |  |
| НР                   | STARTING<br>CURRENT<br>IN AMPERES | RUNNING<br>CURRENT<br>IN AMPERES | STARTING<br>CURRENT<br>IN AMPERES | RUNNING<br>CURRENT<br>IN AMPERES | STARTING<br>CURRENT<br>IN AMPERES | RUNNING<br>CURRENT<br>IN AMPERES |  |  |
| 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 & Power 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 tubular stanchion); precision worm gear drive; roller and ball bearings throughout; flange mounted motor; permanent magnet brake; portable 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.

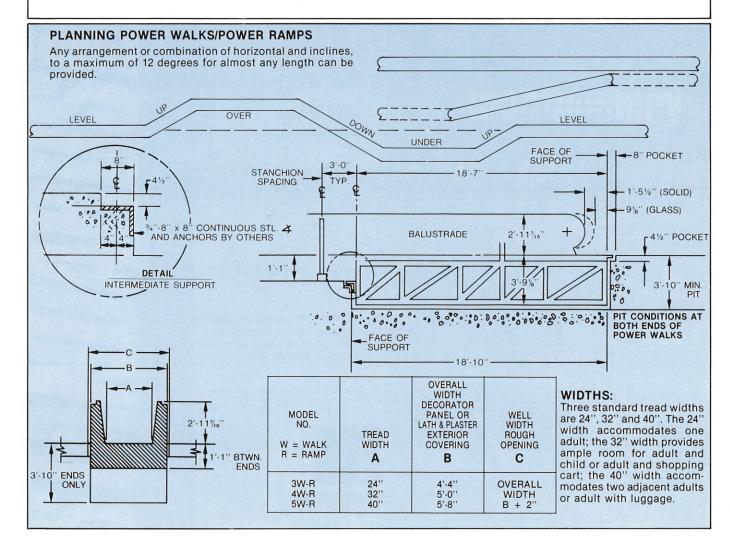
#### **CONSULT MONTGOMERY**

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

\* CSA listed



Lambert International Airport. St. Louis, Missouri.



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Massena (Midstate Elev. Co., Inc.)

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