



# PRODUCT CATALOG



# PRODUCT OVERVIEW

## HYDRAULIC

## TRACTION

ELEVATOR SPEED

**150 FPM**

**In-Ground  
Holeless**

Hydro good for  
low rise and ADA

**25 FPM to 150 FPM**



**LOW RISE**

**≤500 FPM**

**MRL  
MR-ACPM  
MR-AC Geared**

MRL compact, no machine room.  
Saves on building space.  
Gives architects more options.



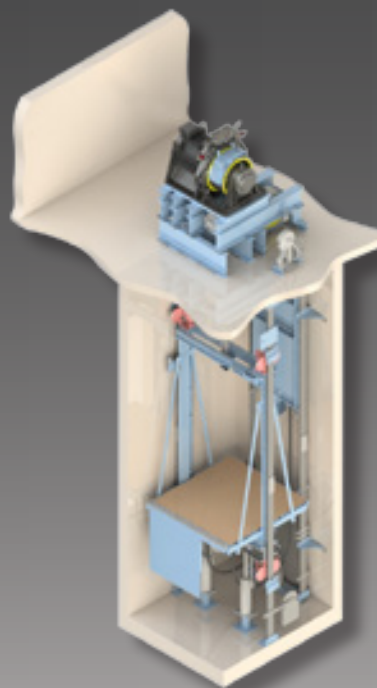
**MID RISE**

**≤700 FPM**

**MR-ACPM  
MR-ACPM DWT  
MR Gearless**

MR Gearless  
Currently, 700 fpm is our highest speed  
offered. Higher speeds will require  
access to compliant safety materials and  
additional R&D.

**500 FPM**



**HIGH RISE**

# TABLE OF CONTENTS

<b>ABOUT CANTON ELEVATOR .....</b>	<b>Page 01</b>
<b>HYDRAULIC ELEVATORS .....</b>	<b>Page 04</b>
1. Tradesman® Hydraulic .....	<b>Page 05-08</b>
2. Freedom® Hydraulic .....	<b>Page 09-18</b>
3. Freight Hydraulic.....	<b>Page 19-24</b>
4. Revolution™ Hydraulic MRL.....	<b>Page 25-28</b>
5. LULA.....	<b>Page 29-30</b>
<b>TRACTION ELEVATORS .....</b>	<b>Page 31</b>
1. Freedom® MRL - MC Series .....	<b>Page 33-36</b>
2. Freedom® MRL - MB Series .....	<b>Page 37-42</b>
3. Freedom® Machine Room .....	<b>Page 43-50</b>
4. Specialty Freedom® Traction Designs.....	<b>Page 51</b>
5. Electrical Requirements and Heat Release.....	<b>Page 52</b>
<b>CANTON ARCHITECTURAL PRODUCTS.....</b>	<b>Page 53</b>
1. Cabs.....	<b>Page 55-56</b>
2. Ceilings and Lighting.....	<b>Page 57</b>
3. Handrails and Sills.....	<b>Page 58</b>
<b>COMPONENTS .....</b>	<b>Page 59</b>
1. Jack Units .....	<b>Page 61-62</b>
2. Fixtures.....	<b>Page 63-64</b>
3. Controllers .....	<b>Page 65-66</b>
4. Door Operators.....	<b>Page 66</b>
5. Machines.....	<b>Page 67</b>
6. Power Units.....	<b>Page 68</b>
7. Entrances.....	<b>Page 69-70</b>

A black and white photograph of a modern, multi-story building with a prominent glass facade and a cantilevered section. The building is set against a cloudy sky. A large red diagonal shape cuts across the lower half of the image, serving as a background for the text.

# ABOUT **CANTON ELEVATOR**

Founded in 1946, Ohio-based Canton Elevator provides comprehensive elevator packages, project management and custom designed solutions to a broad range of elevator contracting companies throughout the vertical transportation industry. Anchored by a team of experienced industry professionals who are dedicated to providing superior service, and grounded in the philosophy that the success of our business is measured one job at a time. Canton Elevator has enjoyed an impeccable reputation for over 70 years and became the leader in the hydraulic elevator industry. We have recently expanded our portfolio of traction elevators to include the Freedom Elevator brand.

Canton Elevator is now a part of Nidec Motor Corporation (NMC), a leading provider of commercial, industrial and appliance motors and controls, established in St. Louis, Missouri. NMC is a member of the global Nidec Group, a global manufacturer, and provider of electric motors and associated components with more than 100 manufacturing and sales locations, 170 subsidiaries, and 100,000 employees.



# MAKING THE **DIFFERENCE**

It is our philosophy that the success of each elevator project begins with our unparalleled dedication to a partnership. Our years of experience partnered with architects, consultants, and contractors allows us to deliver a product that is best suited for each application. We maintain a foundation of integrity and trust that has made Canton Elevator an ever-expanding contractor's choice, and one of the premier elevator equipment manufacturers in the country. Our products lift the lives of many, and we take immeasurable pride in the results we see every day.



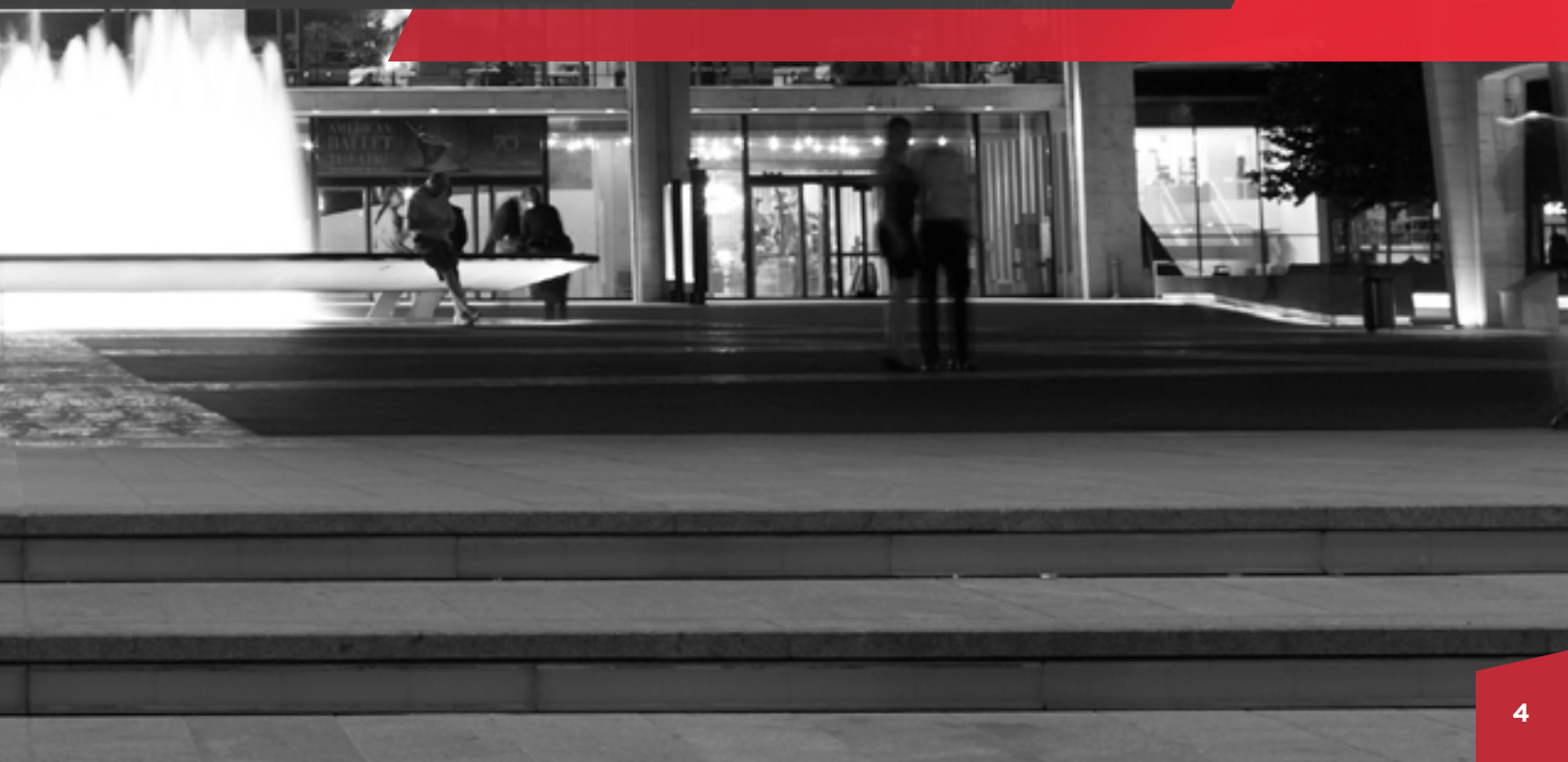
# CANTON ELEVATOR **AT A GLANCE**

Our primary focus is to produce the most evolved and complete elevators on the market. To this end, we are continually improving with the latest technology and designs to make our elevators safer and easier to install while remaining competitive. With Canton Elevator's engineering, manufacturing and architectural design teams, our elevators allow building owners to have the unique look that they want with the functionality that they need. No matter what your needs are, moving passengers or a 60,000lb tractor-trailer, we can deliver exactly what the job calls for.

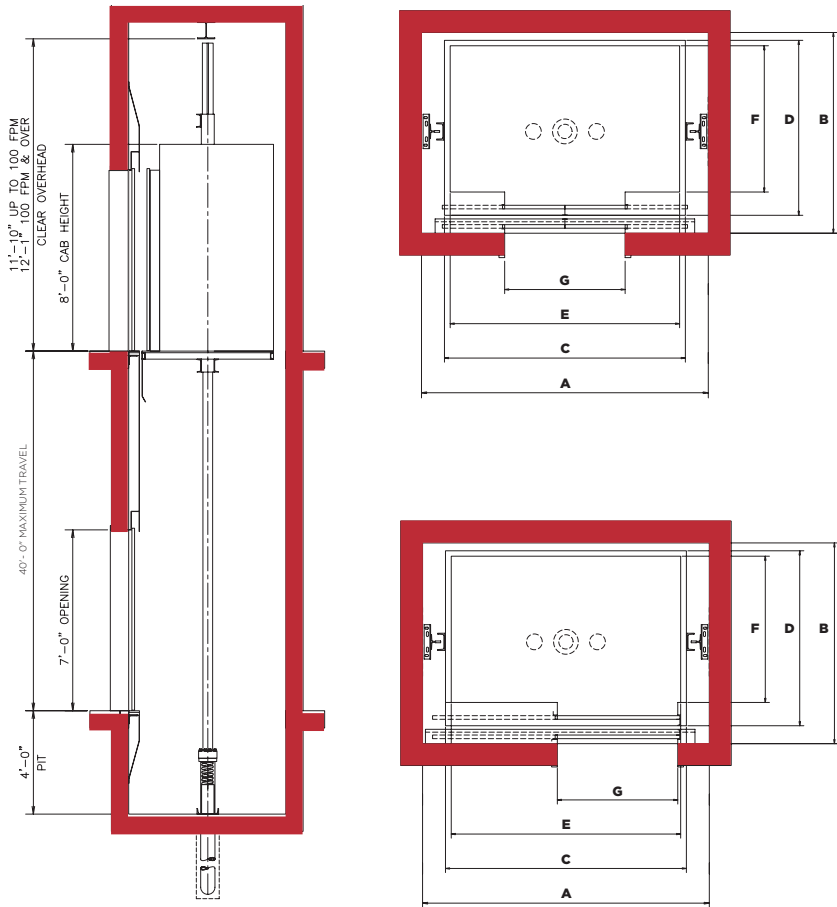


*LINCOLN CENTER, NEW YORK CITY*

# HYDRAULIC **ELEVATOR**



# TRADESMAN® IN-GROUND / HOLED



PASSENGER HOLED TYPE					FRONT OPEN ONLY		
Type	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door Type	Door Width G	Maximum Travel
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F			
Passenger	2000	7'-4" x 5'-10"	6'-0" x 5'-1"	5'-8" x 4'-3"	Single Speed	3'-0"	40'-0"
	2500	8'-4" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Single Speed	3'-6"	40'-0"
	2500	8'-4" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Center Opening	3'-6"	40'-0"
	3500	8'-4" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-4"	Single Speed	3'-6"	40'-0"
	3500	8'-4" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-4"	Center Opening*	3'-6"	40'-0"

## NOTES:

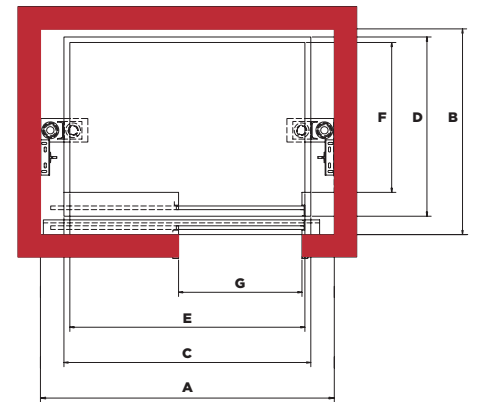
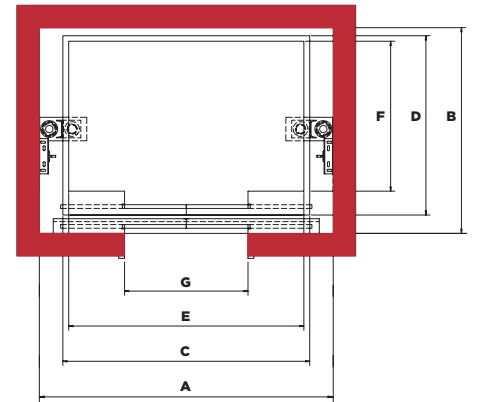
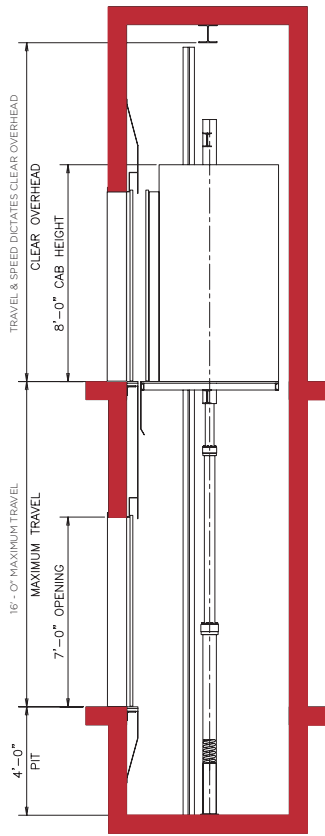
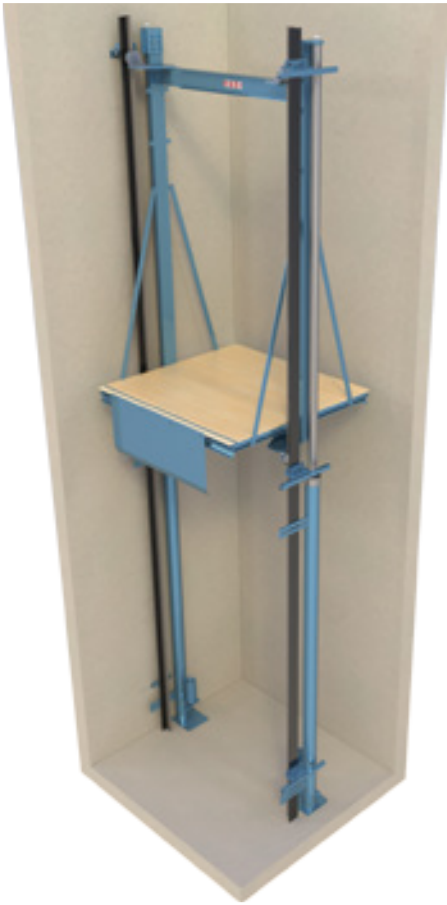
- 2000-lb. car complies with NEII recommendations for car to accommodate wheelchair.
- 3500-lb. cars comply with NEII recommendations for car to accommodate ambulance size stretcher when equipped with single slide doors.

\*Center parting doors do not allow stretchers.





# TRADESMAN® DUAL HOLELESS 1 - STAGE



PASSENGER DUAL HOLELESS SINGLE STAGE					FRONT OPEN ONLY		
Type	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door Type	Door Width G	Maximum Travel
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F			
Passenger	2000	7'-4" x 5'-10"	6'-0" x 5'-1"	5'-8" x 4'-3"	Single Speed	3'-0"	16'-0"
	2500	8'-4" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Single Speed	3'-6"	16'-0"
	2500	8'-4" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Center Opening	3'-6"	16'-0"
	3500	8'-4" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-4"	Single Speed	3'-6"	16'-0"
	3500	8'-4" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-4"	Center Opening*	3'-6"	16'-0"

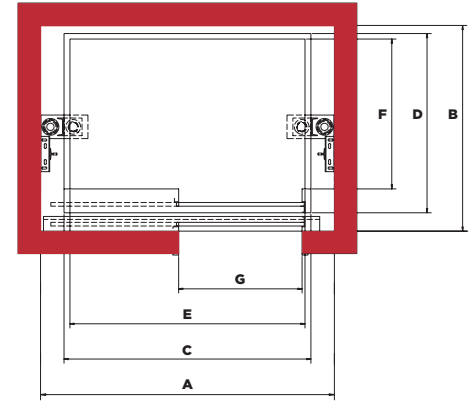
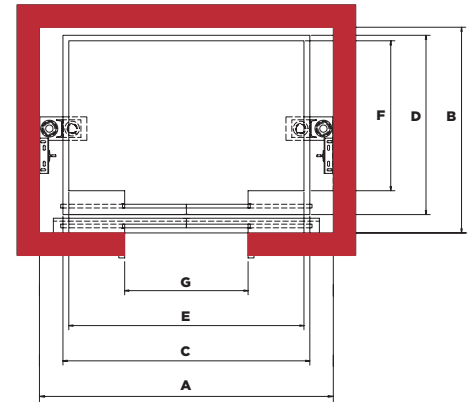
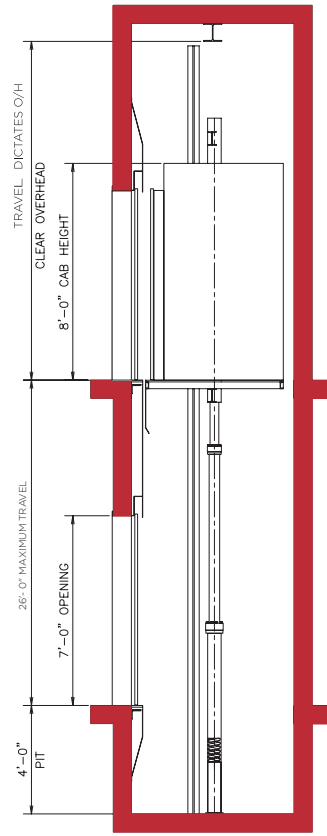
## NOTES:

- 2000-lb. car complies with NEII recommendations for car to accommodate wheelchair.
- 3500-lb. cars comply with NEII recommendations for car to accommodate ambulance size stretcher when equipped with single slide doors.

\*Center parting doors do not allow stretchers.



# TRADESMAN® DUAL HOLELESS 2 - STAGE



PASSENGER DUAL TELESCOPIC TWO STAGE					FRONT OPEN ONLY		
Type	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door Type	Door Width G	Maximum Travel
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F			
Passenger	2000	7'-4" x 5'-10"	6'-0" x 5'-1"	5'-8" x 4'-3"	Single Speed	3'-0"	26'-0"
	2500	8'-4" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Single Speed	3'-6"	26'-0"
	2500	8'-4" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Center Opening	3'-6"	26'-0"
	3500	8'-4" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-4"	Single Speed	3'-6"	26'-0"
	3500	8'-4" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-4"	Center Opening*	3'-6"	26'-0"

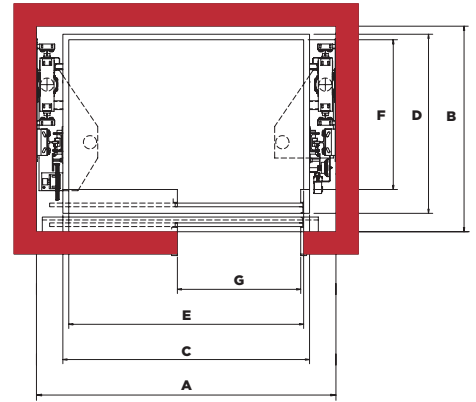
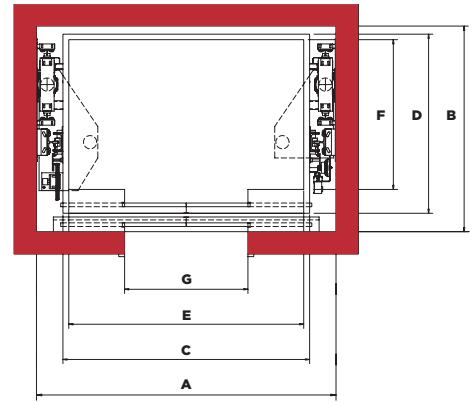
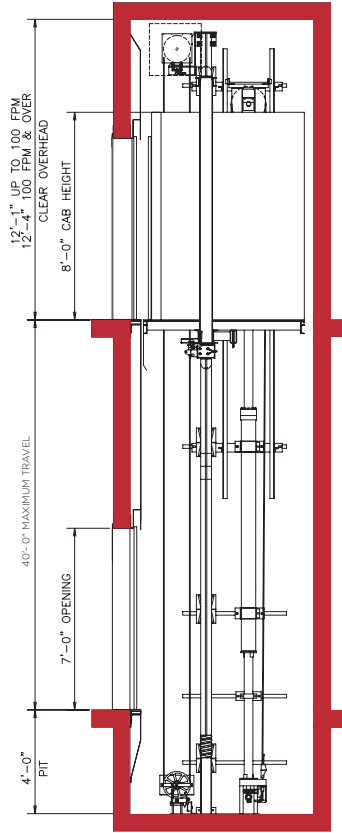
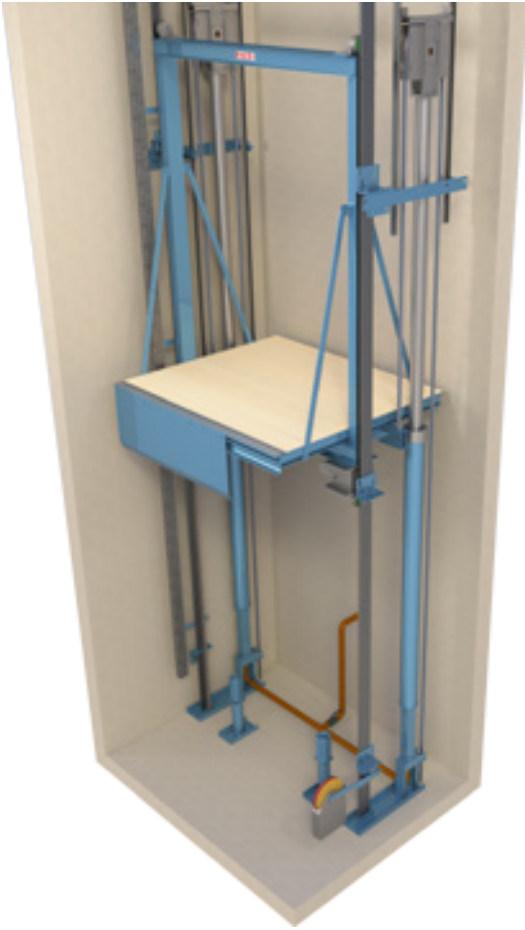
## NOTES:

- 2000-lb. car complies with NEII recommendations for car to accommodate wheelchair.
- 3500-lb. and larger cars comply with NEII recommendations for car to accommodate ambulance size stretcher when equipped with single slide doors.

\*Center parting doors do not allow stretchers.



# TRADESMAN® DUAL ROPED



PASSENGER DUAL ROPED					FRONT OPEN ONLY		
Type	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door Type	Door Width G	Maximum Travel
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F			
Passenger	2000	7'-8" x 5'-10"	6'-0" x 5'-1"	5'-8" x 4'-3"	Single Speed	3'-0"	40'-0"
	2500	6'-8" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Single Speed	3'-0"	40'-0"
	2500	8'-8" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Center Opening	3'-6"	40'-0"
	3500	8'-9" x 5'-10"	7'-0" x 6'-2"	6'-8" x 5'-4"	Single Speed	3'-6"	40'-0"
	3500	8'-9" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-4"	Center Opening*	3'-6"	40'-0"

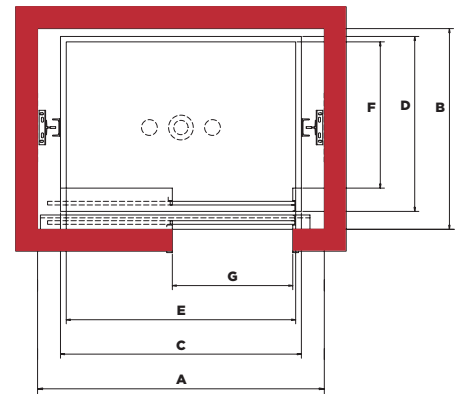
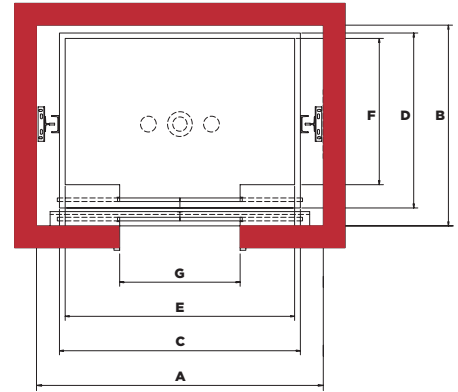
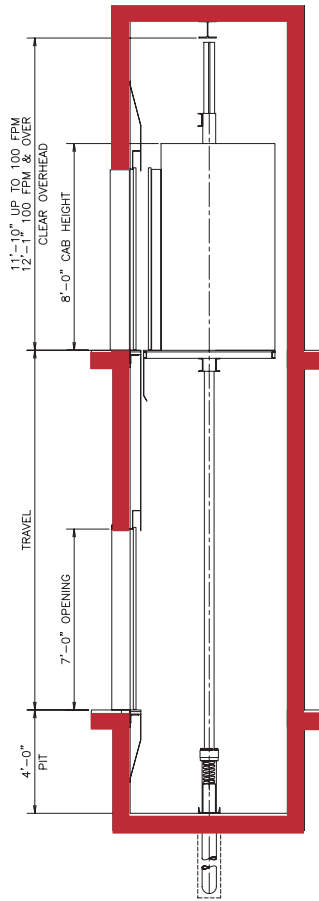
## NOTES:

- 2000-lb. car complies with NEII recommendations for car to accommodate wheelchair.
- 3500-lb. and larger cars comply with NEII recommendations for car to accommodate ambulance size stretcher when equipped with single slide doors.

\*Center parting doors do not allow stretchers.



# FREEDOM<sup>®</sup> HYDRAULIC IN-GROUND FRONT



PASSENGER HOLED TYPE					FRONT OPEN ONLY	
Type	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door Type	Door Width G
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F		
Passenger	2000	7'-4" x 5'-10"	6'-0" x 5'-1"	5'-8" x 4'-3"	Single Speed	3'-0"
	2500	8'-4" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Single Speed	3'-6"
	2500	8'-4" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Center Opening	3'-6"
	3000	8'-4" x 6'-3"	7'-0" x 5'-6"	6'-8" x 4'-8"	Single Speed	3'-6"
	3000	8'-4" x 6'-3"	7'-0" x 5'-6"	6'-8" x 4'-8"	Center Opening	3'-6"
	3500	8'-4" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-4"	Single Speed	3'-6"
	3500	8'-4" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-4"	Center Opening*	3'-6"
	4000	9'-4" x 6'-11"	8'-0" x 6'-2"	7'-8" x 5'-4"	Single Speed	4'-0"
Hospital	4000	9'-4" x 6'-11"	8'-0" x 6'-2"	7'-8" x 5'-4"	Center Opening	4'-0"
	4000	7'-4" x 9'-6"	6'-0" x 8'-8"	5'-8" x 7'-8"	Two Speed	4'-0"
	4500	7'-4" x 9'-11"	6'-0" x 9'-1"	5'-8" x 8'-1"	Two Speed	4'-0"
	5000	8'-2" x 10'-5"	6'-0" x 9'-7"	5'-8" x 8'-7"	Two Speed	4'-6"

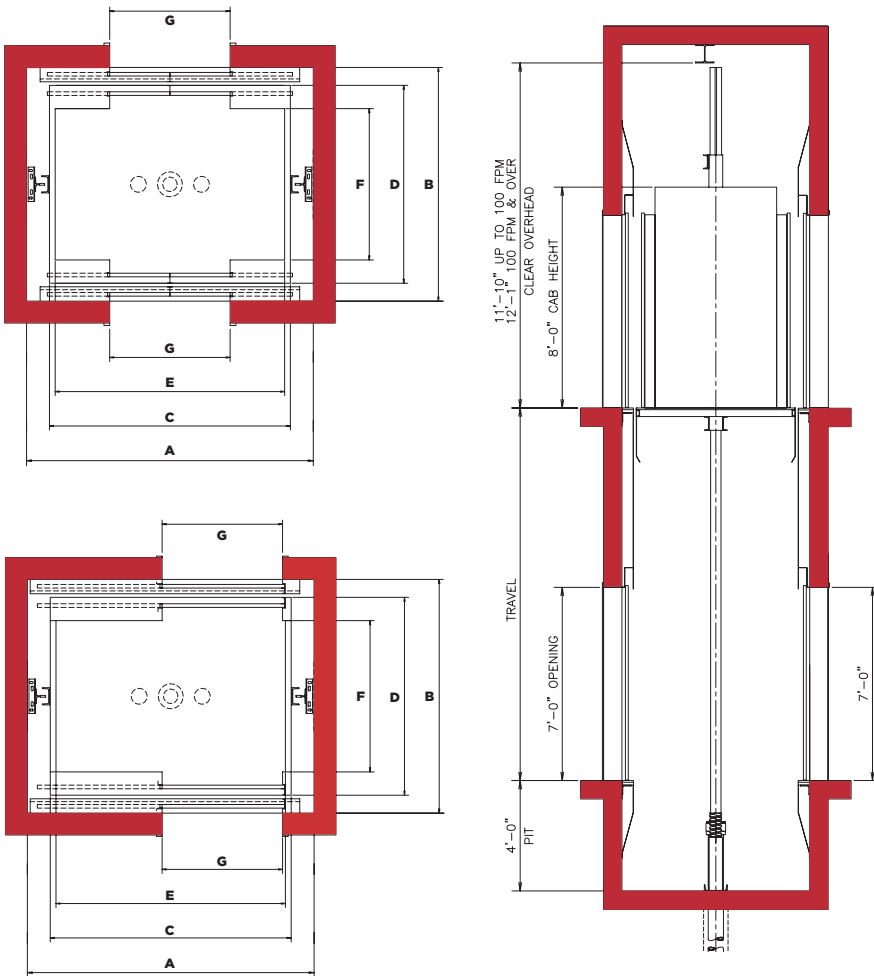
## NOTES:

- 2000-lb. car complies with NEII recommendations for car to accommodate wheelchair.
- 3500-lb. and larger cars comply with NEII recommendations for car to accommodate ambulance size stretcher when equipped with single slide doors.
- Consult factory for any nonstandard sizes not shown on the charts above.

\*Center parting doors do not allow stretchers.



# FREEDOM<sup>®</sup> HYDRAULIC IN-GROUND FRONT & REAR



## DESCRIPTION:

Traditional design utilizing a single hydraulic jack which is located directly under the platform and installed in the ground. Opening configuration available in walk-thru and/or staggered. Staggered doors are required to accommodate the ambulance size stretcher.

## ADVANTAGES:

- Generally the least expensive and easiest to install
- Offered in a wide range of capacities.
- Accommodates front and rear opening configurations
- Minimal pit and overhead requirements

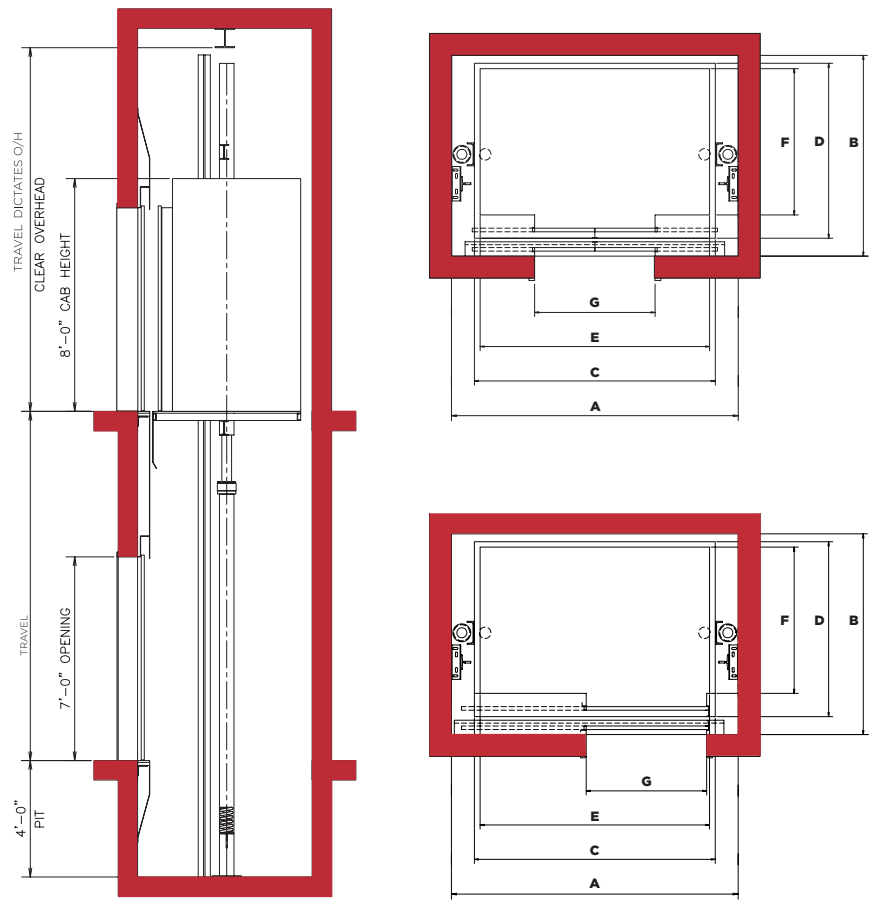
PASSENGER HOLED TYPE					FRONT & REAR OPEN	
Type	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door Type	Door Width G
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F		
Passenger	2000	7'-4" x 6'-9 1/2"	6'-0" x 5'-9"	5'-8" x 4'-4"	Single Speed	3'-0"
	2500	8'-4" x 6'-9 1/2"	7'-0" x 5'-9"	6'-8" x 4'-4"	Single Speed	3'-6"
	2500	8'-4" x 6'-9 1/2"	7'-0" x 5'-9"	6'-8" x 4'-4"	Center Opening	3'-6"
	3000	8'-4" x 7'-1 1/2"	7'-0" x 6'-1"	6'-8" x 4'-8"	Single Speed	3'-6"
	3000	8'-4" x 7'-1 1/2"	7'-0" x 6'-1"	6'-8" x 4'-8"	Center Opening	3'-6"
	3500	8'-4" x 7'-9 1/2"	7'-0" x 6'-9"	6'-8" x 5'-4"	Single Speed	3'-6"
	3500	8'-4" x 7'-9 1/2"	7'-0" x 6'-9"	6'-8" x 5'-4"	Center Opening*	3'-6"
	4000	9'-4" x 7'-9 1/2"	8'-0" x 6'-9"	7'-8" x 5'-4"	Single Speed	4'-0"
	4000	9'-4" x 7'-9 1/2"	8'-0" x 6'-9"	7'-8" x 5'-4"	Center Opening	4'-0"
Hospital	4000	7'-4" x 10'-7 1/2"	6'-0" x 9'-4"	5'-8" x 7'-8"	Two Speed	4'-0"
	4500	7'-4" x 11'-1 1/2"	6'-0" x 9'-9"	5'-8" x 8'-1"	Two Speed	4'-0"
	5000	8'-2" x 11'-6 1/2"	6'-0" x 10'-3"	5'-8" x 8'-7"	Two Speed	4'-6"

## IMPORTANT:

This information is intended for preliminary planning. We have attempted to include the basic data required for your planning efforts. For details about specific or custom installations, please contact your local Canton Elevator representative or contact us directly.



# FREEDOM® HYDRAULIC DUAL HOLELESS 1 - STAGE FRONT



PASSENGER DUAL HOLELESS SINGLE STAGE					FRONT OPEN ONLY	
Type	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door Type	Door Width G
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F		
Passenger	2000	7'-4" x 5'-10"	6'-0" x 5'-1"	5'-8" x 4'-3"	Single Speed	3'-0"
	2500	8'-4" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Single Speed	3'-6"
	2500	8'-4" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Center Opening	3'-6"
	3000	8'-4" x 6'-3"	7'-0" x 5'-6"	6'-8" x 4'-8"	Single Speed	3'-6"
	3000	8'-4" x 6'-3"	7'-0" x 5'-6"	6'-8" x 4'-8"	Center Opening	3'-6"
	3500	8'-4" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-4"	Single Speed	3'-6"
	3500	8'-4" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-4"	Center Opening*	3'-6"
	4000	9'-4" x 6'-11"	8'-0" x 6'-2"	7'-8" x 5'-4"	Single Speed	4'-0"
	4000	9'-4" x 6'-11"	8'-0" x 6'-2"	7'-8" x 5'-4"	Center Opening	4'-0"
Hospital	4000	7'-4" x 9'-6"	6'-0" x 8'-8"	5'-8" x 7'-8 1/2"	Two Speed	4'-0"
	4500	7'-4" x 9'-11"	6'-0" x 9'-1"	5'-8" x 7'-8 1/2"	Two Speed	4'-0"
	5000	8'-2" x 10'-5"	6'-0" x 9'-7"	5'-8" x 7'-8 1/2"	Two Speed	4'-6"

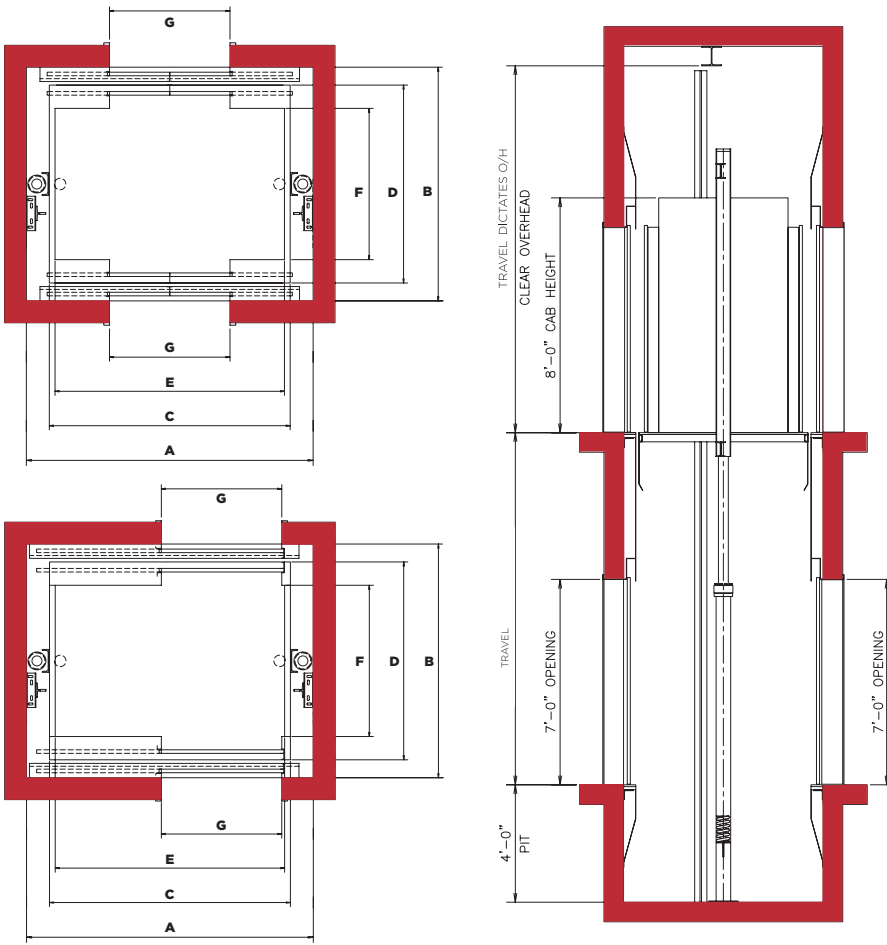
## NOTES:

- 2000-lb. car complies with NEII recommendations for car to accommodate wheelchair.
- 3500-lb. and larger cars comply with NEII recommendations for car to accommodate ambulance size stretcher when equipped with single slide doors.
- Consult factory for any nonstandard sizes not shown on the charts above.

\*Center parting doors do not allow stretchers.



# FREEDOM® HYDRAULIC DUAL HOLELESS 1 - STAGE FRONT & REAR



## DESCRIPTION:

The design utilizes two hydraulic single stage jacks, located on each side of the platform and installed directly on the pit floor. Opening configuration available in walk-thru and/or staggered. Staggered doors are required to accommodate the ambulance size stretcher.

## ADVANTAGES:

- Jack hole is not required, eliminating the cost of drilling and the risk of ground contamination from oil leak
- Offered in a wide range of capacities.
- Accommodates front and rear opening configurations

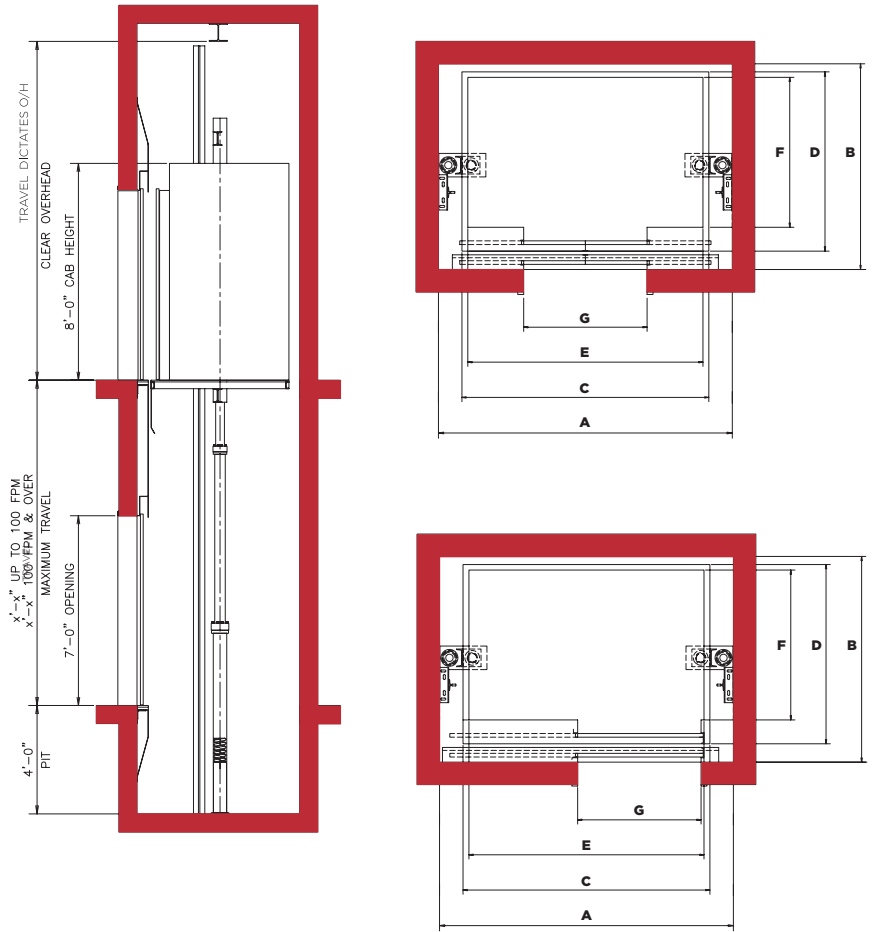
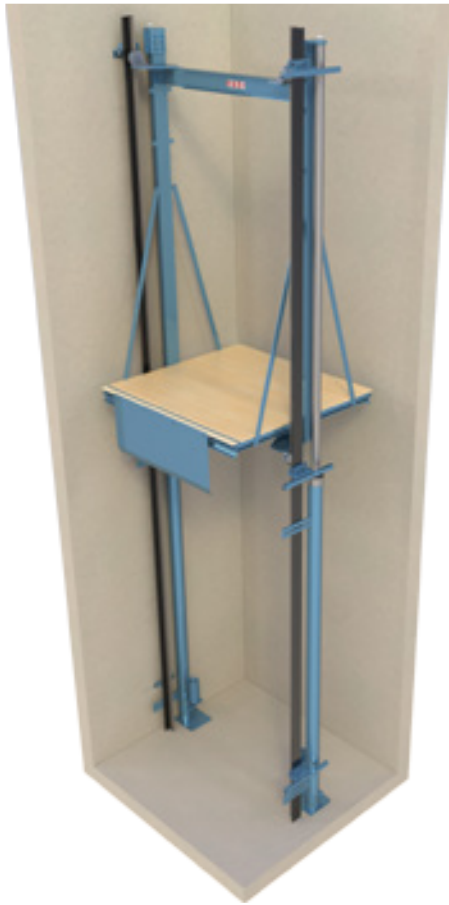
PASSENGER DUAL HOLELESS SINGLE STAGE					FRONT & REAR OPEN	
Type	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door Type	Door Width G
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F		
Passenger	2000	7'-4" x 6'-9 1/2"	6'-0" x 5'-9"	5'-8" x 4'-4 3/4"	Single Speed	3'-0"
	2500	8'-4" x 6'-9 1/2"	7'-0" x 5'-9"	6'-8" x 4'-4 3/4"	Single Speed	3'-6"
	2500	8'-4" x 6'-9 1/2"	7'-0" x 5'-9"	6'-8" x 4'-4 3/4"	Center Opening	3'-6"
	3000	8'-4" x 7'-1 1/2"	7'-0" x 6'-1"	6'-8" x 4'-8 3/4"	Single Speed	3'-6"
	3000	8'-4" x 7'-1 1/2"	7'-0" x 6'-1"	6'-8" x 4'-8 3/4"	Center Opening	3'-6"
	3500	8'-4" x 7'-9 1/2"	7'-0" x 6'-9"	6'-8" x 5'-4 3/4"	Single Speed	3'-6"
	3500	8'-4" x 7'-9 1/2"	7'-0" x 6'-9"	6'-8" x 5'-4 3/4"	Center Opening*	3'-6"
	4000	9'-4" x 7'-9 1/2"	8'-0" x 6'-9"	7'-8" x 5'-4 3/4"	Single Speed	4'-0"
Hospital	4000	7'-4" x 10'-7 1/2"	6'-0" x 9'-4"	5'-8" x 7'-8 3/4"	Two Speed	4'-0"
	4500	7'-4" x 11'-1 1/2"	6'-0" x 9'-9"	5'-8" x 8'-1 3/4"	Two Speed	4'-0"
	5000	8'-2" x 11'-6 1/2"	6'-0" x 10'-3"	5'-8" x 8'-7 3/4"	Two Speed	4'-6"

## IMPORTANT:

This information is intended for preliminary planning. We have attempted to include the basic data required for your planning efforts. For details about specific or custom installations, please contact your local Canton Elevator representative or contact us directly.



# FREEDOM® HYDRAULIC DUAL HOLELESS 2 - STAGE FRONT



PASSENGER DUAL TELESCOPIC TWO STAGE					FRONT OPEN ONLY	
Type	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door Type	Door Width G
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F		
Passenger	2000	7'-4" x 5'-10"	6'-0" x 5'-1"	5'-8" x 4'-3"	Single Speed	3'-0"
	2500	8'-4" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Single Speed	3'-6"
	2500	8'-4" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Center Opening	3'-6"
	3000	8'-4" x 6'-3"	7'-0" x 5'-6"	6'-8" x 4'-8"	Single Speed	3'-6"
	3000	8'-4" x 6'-3"	7'-0" x 5'-6"	6'-8" x 4'-8"	Center Opening	3'-6"
	3500	8'-6" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-4"	Single Speed	3'-6"
	3500	8'-6" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-4"	Center Opening*	3'-6"
	4000	9'-8" x 6'-11"	8'-0" x 6'-2"	7'-8" x 5'-4"	Single Speed	4'-0"
	4000	9'-8" x 6'-11"	8'-0" x 6'-2"	7'-8" x 5'-4"	Center Opening	4'-0"
Hospital	4000	7'-8" x 9'-6"	6'-0" x 8'-8"	5'-8" x 7'-8 1/2"	Two Speed	4'-0"
	4500	7'-8" x 9'-11"	6'-0" x 9'-1"	5'-8" x 8'-1 1/2"	Two Speed	4'-0"
	5000	8'-3" x 10'-5"	6'-0" x 9'-7"	5'-8" x 8'-7 1/2"	Two Speed	4'-6"

## NOTES:

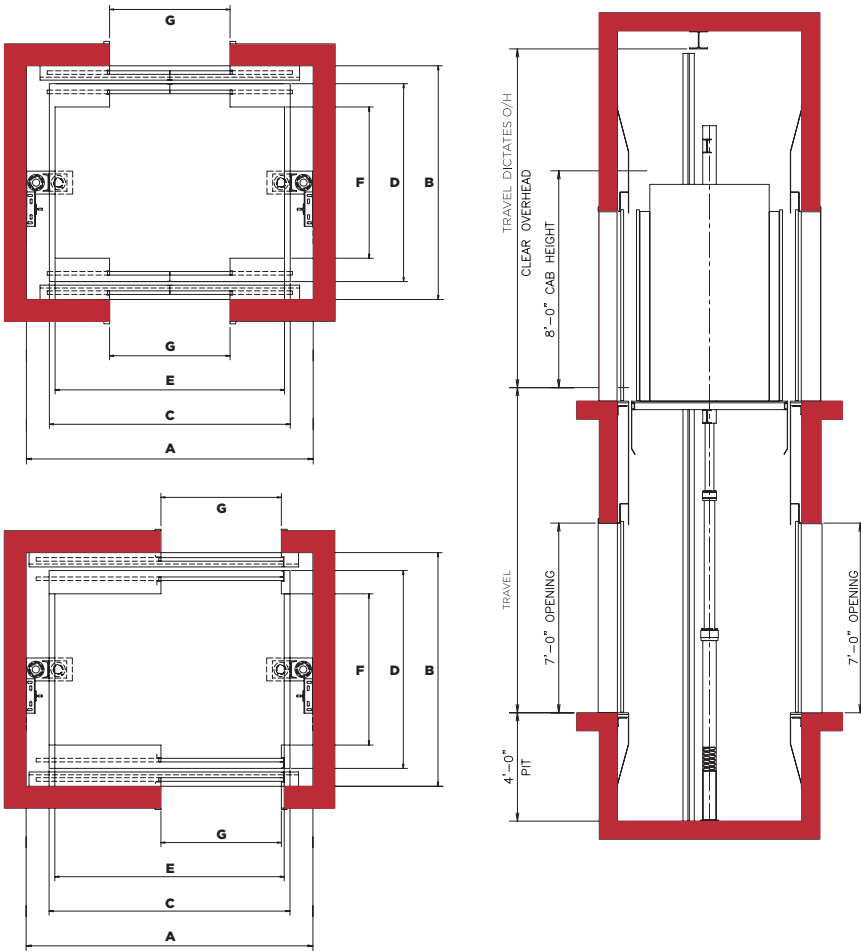
- 2000-lb. car complies with NEII recommendations for car to accommodate wheelchair.
- 3500-lb. and larger cars comply with NEII recommendations for car to accommodate ambulance size stretcher when equipped with single slide doors.
- Consult factory for any nonstandard sizes not shown on the charts above.

\*Center parting doors do not allow stretchers.





# FREEDOM<sup>®</sup> HYDRAULIC DUAL HOLELESS 2 - STAGE FRONT & REAR



## DESCRIPTION:

The design utilizes dual two-stage telescopic hydraulic jacks, located on each side of the platform and installed directly on the pit floor. Opening configuration available in walk-thru and/or staggered. Staggered doors are required to accommodate the ambulance size stretcher.

## ADVANTAGES:

- Jack hole is not required, eliminating the cost of drilling and the risk of ground contamination from oil leak
- Offered in a wide range of capacities.
- Accommodates front and rear opening configurations
- Accommodates travel up to approximately 26'

### PASSENGER DUAL TELESCOPIC TWO STAGE

Type	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door Type	Door Width G
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F		
Passenger	2000	7'-4" x 6'-9 1/2"	6'-0" x 5'-9"	5'-8" x 4'-4 3/4"	Single Speed	3'-0"
	2500	8'-4" x 6'-9 1/2"	7'-0" x 5'-9"	6'-8" x 4'-4 3/4"	Single Speed	3'-6"
	2500	8'-4" x 6'-9 1/2"	7'-0" x 5'-9"	6'-8" x 4'-4 3/4"	Center Opening	3'-6"
	3000	8'-4" x 7'-1 1/2"	7'-0" x 6'-1"	6'-8" x 4'-8 3/4"	Single Speed	3'-6"
	3000	8'-4" x 7'-1 1/2"	7'-0" x 6'-1"	6'-8" x 4'-8 3/4"	Center Opening	3'-6"
	3500	8'-6" x 7'-9 1/2"	7'-0" x 6'-9"	6'-8" x 5'-4 3/4"	Single Speed	3'-6"
	3500	8'-6" x 7'-9 1/2"	7'-0" x 6'-9"	6'-8" x 5'-4 3/4"	Center Opening*	3'-6"
	4000	9'-8" x 7'-9 1/2"	8'-0" x 6'-9"	7'-8" x 5'-4 3/4"	Single Speed	4'-0"
	4000	9'-8" x 7'-9 1/2"	8'-0" x 6'-9"	7'-8" x 5'-4 3/4"	Center Opening	4'-0"
Hospital	4000	7'-8" x 10'-7 1/2"	6'-0" x 9'-4"	5'-8" x 7'-8 3/4"	Two Speed	4'-0"
	4500	7'-8" x 11'-0 1/2"	6'-0" x 9'-9"	5'-8" x 8'-1 3/4"	Two Speed	4'-0"
	5000	8'-3" x 11'-6 1/2"	6'-0" x 10'-3"	5'-8" x 8'-7 3/4"	Two Speed	4'-6"

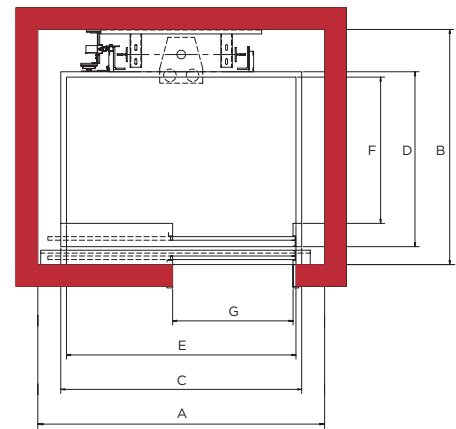
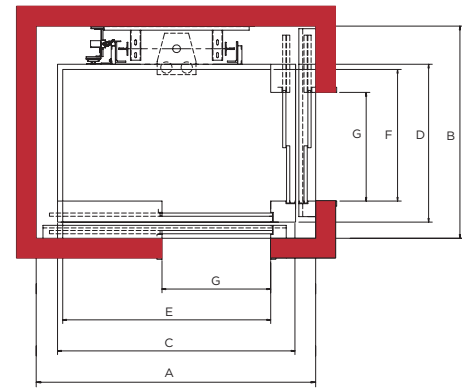
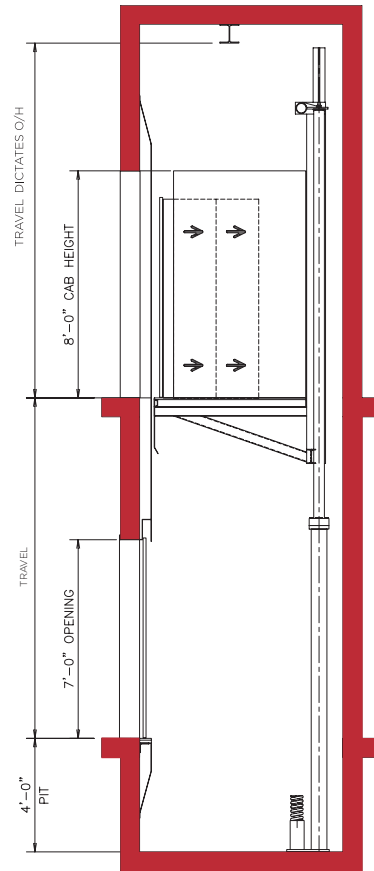
## IMPORTANT:

This information is intended for preliminary planning. We have attempted to include the basic data required for your planning efforts. For details about specific or custom installations, please contact your local Canton Elevator representative or contact us directly.



# FREEDOM® HYDRAULIC CANTILEVER HOLELESS

## FRONT / FRONT & SIDE



### Description:

The design utilizes a hydraulic single stage or telescopic jack and is installed directly on the pit floor. The platform is supported by a cantilevered car frame with the jack and rails located on one side of the hoistway.

### Advantages:

- Jack hole is not required, eliminating the cost of drilling and the risk of ground contamination from oil leak
- Accommodates front, rear and side opening configurations
- Allows for glass walls on sides where equipment is not located
- Allows for glass walls on sides where equipment is not located

### PASSENGER CANTILEVER HOLELESS

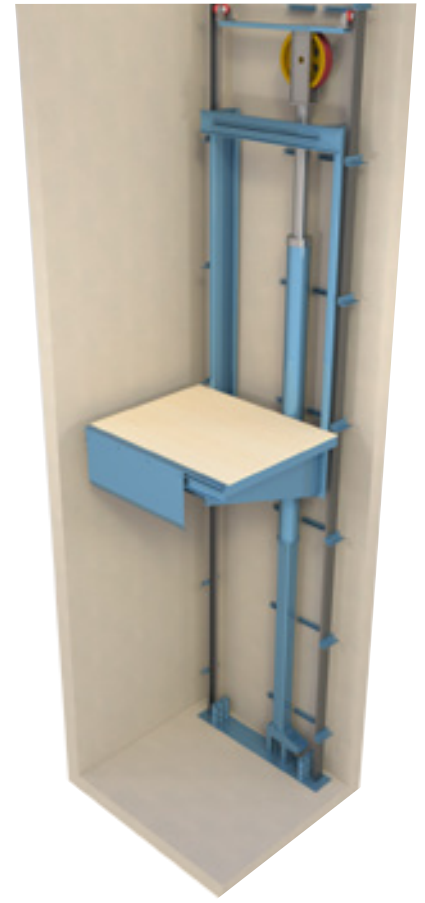
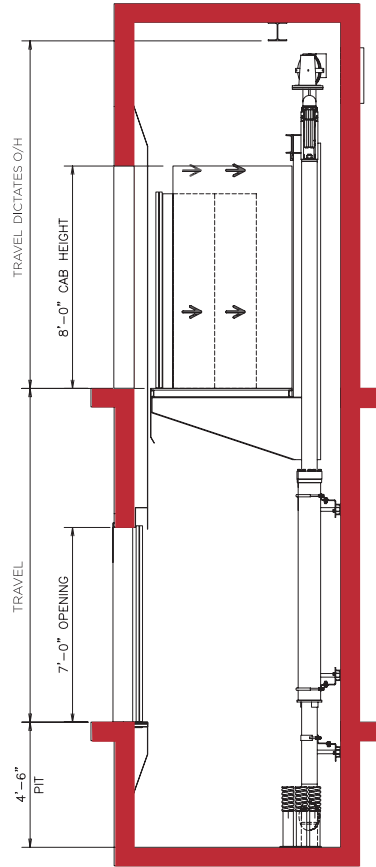
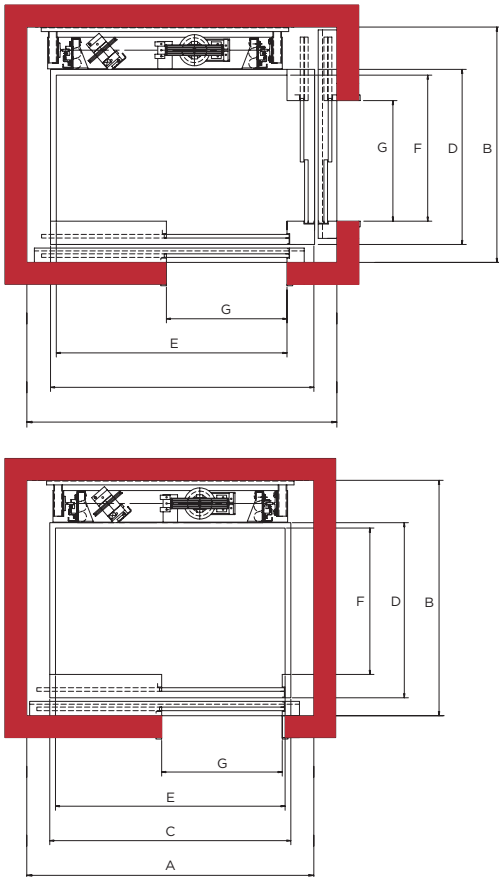
Type	Capacity (lbs)	Hoistway	Platform	Inside Cab	Front/Side	Door Type	Door Width G
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F			
Passenger	2000	7'-4" x 6'-10"	6'-0" x 5'-1"	5'-8" x 4'-3"	F	Single Speed	3'-0"
	2000	8'-0" x 6'-10"	6'-8" x 5'-1"	5'-8 3/8" x 4'-2 7/8"	F/S	1sp & 2sp	3'-0"
	2500	8'-4" x 6'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	F	Single Speed	3'-6"
	2500	9'-0" x 6'-10"	7'-8" x 5'-1"	6'-8 3/8" x 4'-2 7/8"	F/S	1sp & 2sp	3'-6"
	3000	8'-4" x 7'-3"	7'-0" x 5'-6"	6'-8" x 4'-8"	F	Single Speed	3'-6"
	3000	9'-0" x 7'-3"	7'-8" x 5'-6"	6'-8 3/8" x 4'-7 7/8"	F/S	1sp & 2sp	3'-6"

### NOTES:

- 2000-lb. car complies with NEII recommendations for car to accommodate wheelchair.
- Consult factory for any nonstandard sizes not shown on the charts above.



# FREEDOM® HYDRAULIC CANTILEVER ROPED FRONT / FRONT & SIDE



## Description:

The design utilizes wire ropes in conjunction with a single hydraulic jack to lift the elevator at a 1:2 ratio. For each foot the jack rises, the elevator rises two feet. The platform is supported by a cantilevered car frame with the jack, rails, and roping located on one side of the hoistway.

## Advantages:

- Jack hole is not required, eliminating the cost of drilling and the risk of ground contamination from oil leak
- Accommodates front, rear and side opening configurations
- Allows for glass walls on sides where equipment is not located
- Rail bracket attachment only required on one wall of the hoistway
- Available with higher travels up to approximately 90'
- Minimal pit and overhead requirements

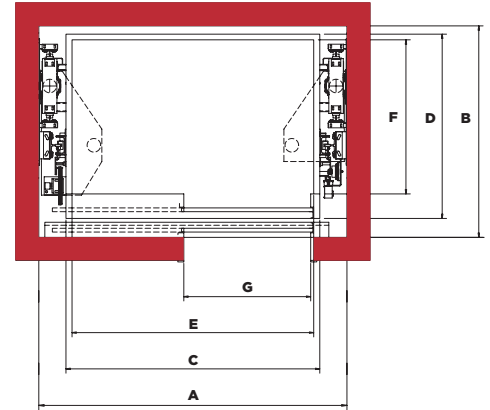
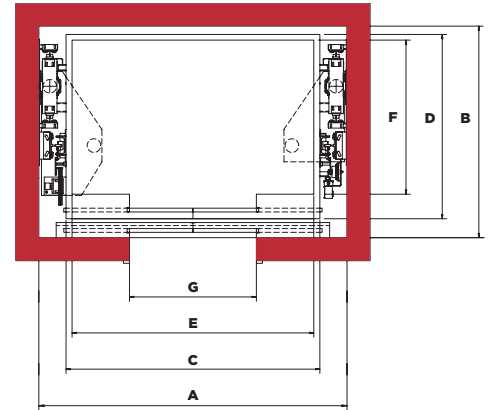
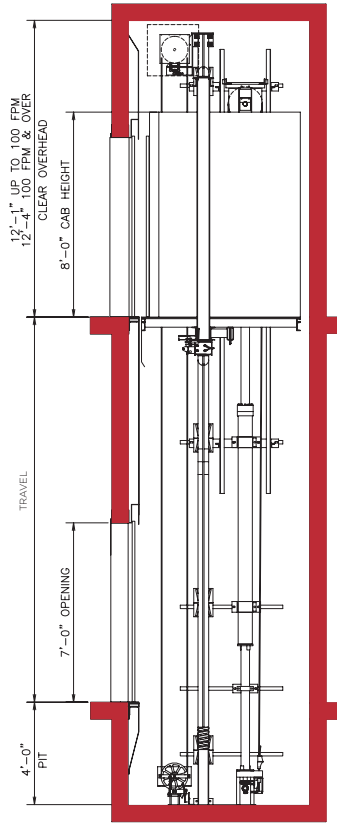
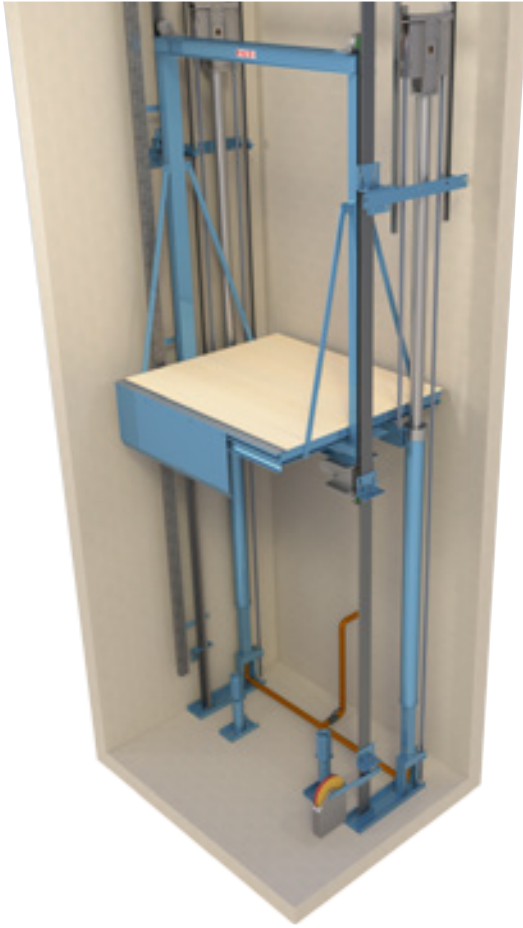
## PASSENGER CANTILEVER HOLELESS

Type	Capacity (lbs)	Hoistway	Platform	Inside Cab	Front/Side	Door Type	Door Width G
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F			
Passenger	2000	7'-4" x 6'-10"	6'-0" x 5'-1"	5'-8" x 4'-3"	F	Single Speed	3'-0"
	2000	8'-0" x 6'-10"	6'-8" x 5'-1"	5'-8 3/8" x 4'-2 7/8"	F/S	1sp & 2sp	3'-0"
	2500	8'-4" x 6'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	F	Single Speed	3'-6"
	2500	9'-0" x 6'-10"	7'-8" x 5'-1"	6'-8 3/8" x 4'-2 7/8"	F/S	1sp & 2sp	3'-6"
	3000	8'-4" x 7'-3"	7'-0" x 5'-6"	6'-8" x 4'-8"	F	Single Speed	3'-6"
	3000	9'-0" x 7'-3"	7'-8" x 5'-6"	6'-8 3/8" x 4'-7 7/8"	F/S	1sp & 2sp	3'-6"

**IMPORTANT:** This information is intended for preliminary planning. We have attempted to include the basic data required for your planning efforts. For details about specific or custom installations, please contact your local Canton Elevator representative or contact us directly.



# FREEDOM<sup>®</sup> HYDRAULIC DUAL ROPED FRONT



## PASSENGER DUAL ROPED

## FRONT OPEN ONLY

Type	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door Type	Door Width G	Maximum Travel
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F			
Passenger	2000	7'-6" x 5'-10"	6'-0" x 5'-1"	5'-8" x 4'-3"	Single Speed	3'-0"	45'-0"
	2000	7'-8" x 5'-10"	6'-0" x 5'-1"	5'-8" x 4'-3"	Single Speed	3'-0"	70'-0"
	2500	8'-6" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Single Speed	3'-6"	40'-0"
	2500	8'-6" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Center Opening *	3'-6"	40'-0"
	2500	8'-8" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Single Speed	3'-6"	65'-0"
	2500	8'-8" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Center Opening *	3'-6"	65'-0"
	3000	8'-8" x 6'-3"	7'-0" x 5'-6"	6'-8" x 4'-8"	Single Speed	3'-6"	65'-0"
	3000	8'-8" x 6'-3"	7'-0" x 5'-6"	6'-8" x 4'-8"	Center Opening *	3'-6"	65'-0"
	3500	8'-8" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-4"	Single Speed	3'-6"	60'-0"
	3500	8'-8" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-4"	Center Opening *	3'-6"	60'-0"
	4000	9'-8" x 6'-11"	8'-0" x 6'-2"	7'-8" x 5'-4"	Single Speed	4'-0"	55'-0"
	4000	9'-8" x 6'-11"	8'-0" x 6'-2"	7'-8" x 5'-4"	Center Opening *	4'-0"	55'-0"
Hospital	4000	10'-0" x 6'-11"	8'-0" x 6'-2"	7'-8" x 5'-4"	Single Speed	4'-0"	85'-0"
	4000	10'-0" x 6'-11"	8'-0" x 6'-2"	7'-8" x 5'-4"	Center Opening *	4'-0"	85'-0"
	4000	8'-0" x 9'-6"	6'-0" x 8'-8"	5'-8" x 7'-8 1/2"	Two Speed	4'-0"	90'-0"
	4500	8'-0" x 9'-11"	6'-0" x 9'-1"	5'-8" x 8'-1 1/2"	Two Speed	4'-0"	85'-0"
	5000	8'-4" x 10'-5"	6'-0" x 9'-7"	5'-8" x 8'-7 1/2"	Two Speed	4'-6"	85'-0"

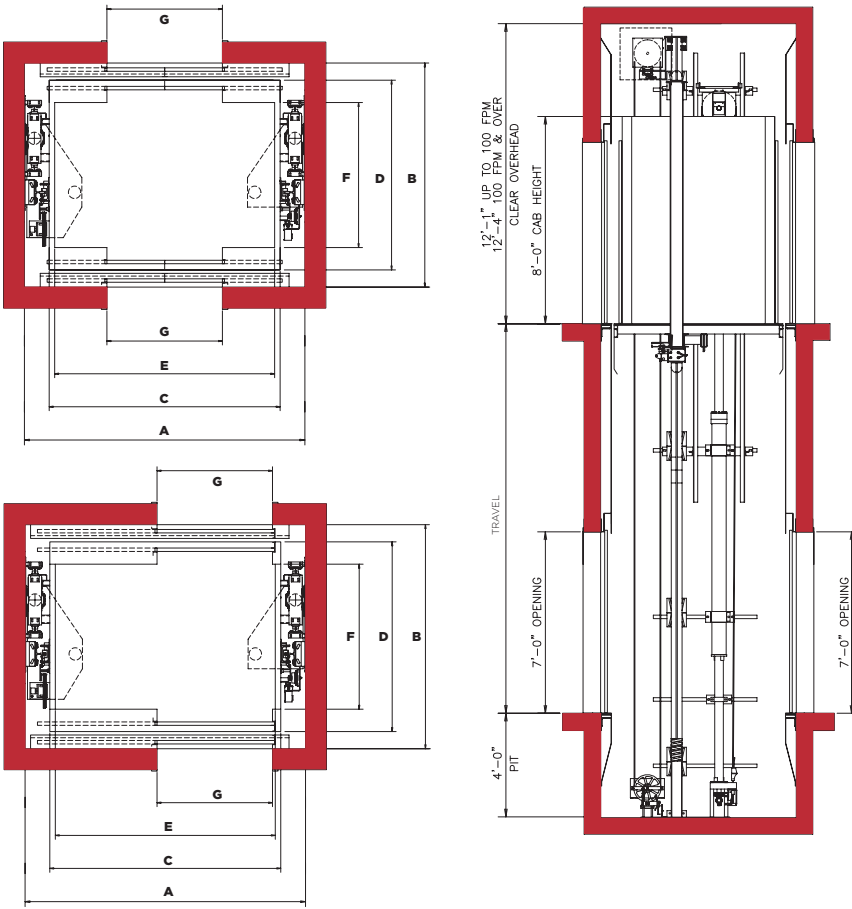
### NOTES:

- Center opening doors are available for 2500# capacity and higher.
- Hoistway widths and depths can be reduced by 1" if conditions require and hoistway plumbness is maintained
- All elevators shown here comply with NEII and ADA spacerequirements for wheel chair access
- 2000-lb. elevators must have single-slide doors to meet NEII and ADA requirements for wheelchair access
- 2500, 3000 & 3500-lb. elevators shown here comply with NEII and ADA requirements unless equipped with center-parting doors.
- Consult factory for any nonstandard sizes not shown on the charts above.

\*Center arting doors do not allow stretchers.



# FREEDOM<sup>®</sup> HYDRAULIC DUAL ROPED FRONT & REAR



**Description:** The design utilizes wire ropes in conjunction with two hydraulic jacks to lift the elevator at a 1:2 ratio. For each foot the jack rises, the elevator rises two feet. Opening configuration available in walk-thru and/or staggered. Staggered doors are required to accommodate the ambulance size stretcher.

**Advantages:**

- Jack hole is not required, eliminating the cost of drilling and the risk of ground contamination from oil leak
- Offered in both low and high capacity elevators
- Accommodates front and rear opening configurations
- Accommodates travel up to approximately 90'
- Minimal pit and overhead requirements

PASSENGER DUAL ROPED				FRONT OPEN ONLY			
Type	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door Type	Door Width G	Maximum Travel
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F			
Passenger	2000	7'-6" x 6'-9 1/2"	6'-0" x 5'-9"	5'-8" x 4'-4 3/4"	Single Speed	3'-0"	45'-0"
	2000	7'-8" x 6'-9 1/2"	6'-0" x 5'-9"	5'-8" x 4'-4 3/4"	Single Speed	3'-0"	70'-0"
	2500	8'-6" x 6'-9 1/2"	7'-0" x 5'-9"	6'-8" x 4'-4 3/4"	Single Speed	3'-6"	40'-0"
	2500	8'-6" x 6'-9 1/2"	7'-0" x 5'-9"	6'-8" x 4'-4 3/4"	Center Opening *	3'-6"	40'-0"
	2500	8'-8" x 6'-9 1/2"	7'-0" x 5'-9"	6'-8" x 4'-4 3/4"	Single Speed	3'-6"	65'-0"
	2500	8'-8" x 6'-9 1/2"	7'-0" x 5'-9"	6'-8" x 4'-4 3/4"	Center Opening *	3'-6"	65'-0"
	3000	8'-8" x 7'-1 1/2"	7'-0" x 6'-1"	6'-8" x 4'-8 3/4"	Single Speed	3'-6"	65'-0"
	3000	8'-8" x 7'-1 1/2"	7'-0" x 6'-1"	6'-8" x 4'-8 3/4"	Center Opening *	3'-6"	65'-0"
	3500	8'-8" x 7'-9 1/2"	7'-0" x 6'-9"	6'-8" x 5'-4 3/4"	Single Speed	3'-6"	60'-0"
	3500	8'-8" x 7'-9 1/2"	7'-0" x 6'-9"	6'-8" x 5'-4 3/4"	Center Opening *	3'-6"	60'-0"
	4000	9'-8" x 7'-8 1/2"	8'-0" x 6'-8"	7'-8" x 5'-3 3/4"	Single Speed	4'-0"	55'-0"
	4000	9'-8" x 7'-8 1/2"	8'-0" x 6'-8"	7'-8" x 5'-3 3/4"	Center Opening *	4'-0"	55'-0"
	4000	10'-0" x 7'-8 1/2"	8'-0" x 6'-8"	7'-8" x 5'-3 3/4"	Single Speed	4'-0"	85'-0"
4000	10'-0" x 7'-8 1/2"	8'-0" x 6'-8"	7'-8" x 5'-3 3/4"	Center Opening *	4'-0"	85'-0"	
Hospital	4000	8'-0" x 10'-7 1/2"	6'-0" x 9'-4"	5'-8" x 7'-8 3/4"	Two Speed	4'-0"	90'-0"
	4500	8'-0" x 11'-0 1/2"	6'-0" x 9'-9"	5'-8" x 8'-1 3/4"	Two Speed	4'-0"	85'-0"
	5000	8'-4" x 11'-6 1/2"	6'-0" x 10'-3"	5'-8" x 8'-7 3/4"	Two Speed	4'-6"	85'-0"

**IMPORTANT:**

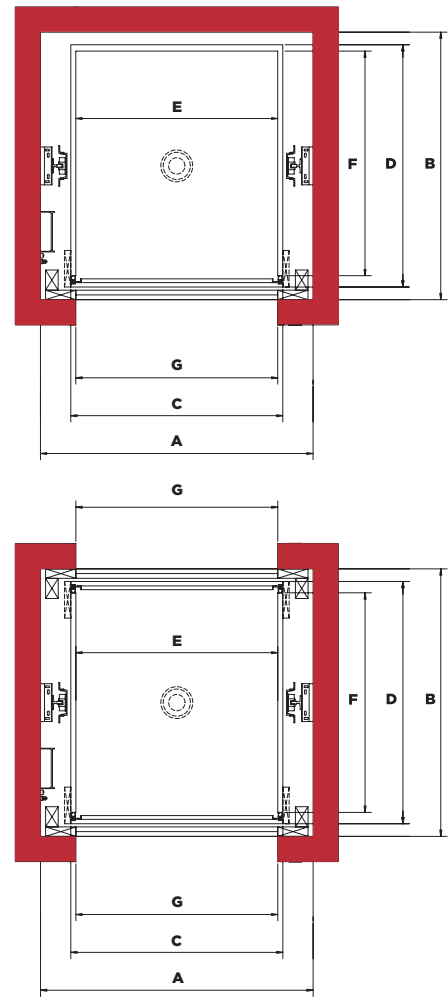
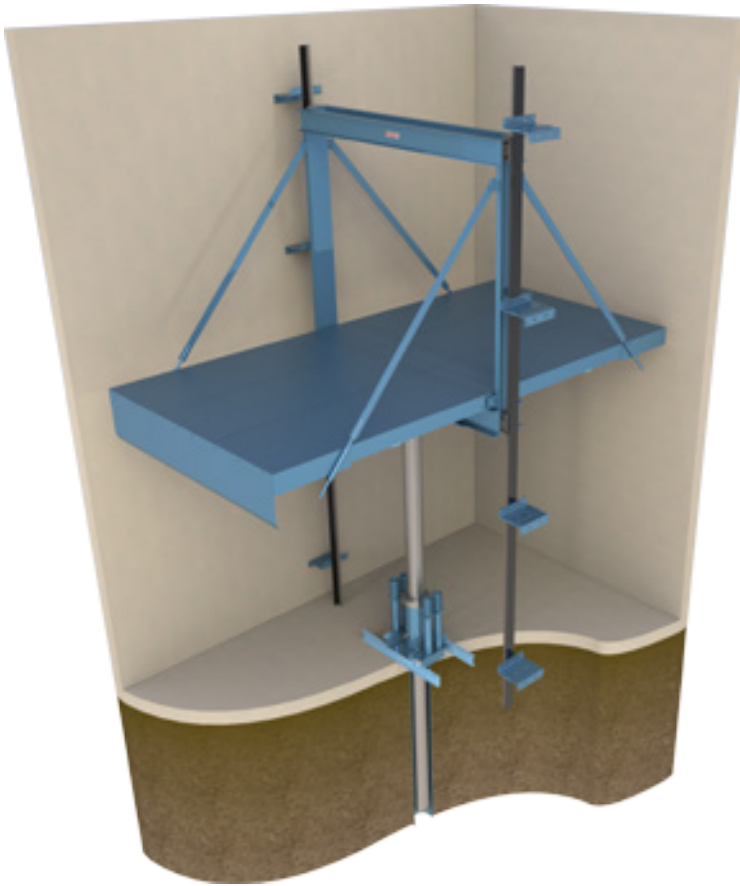
- Center opening doors are available for 2500# capacity and higher.

This information is intended for preliminary planning. We have attempted to include the basic data required for your planning efforts. For details about specific or custom installations, please contact your local Canton Elevator representative or contact us directly.

\*Center arting doors do not allow stretchers.



# FREIGHT IN-GROUND



## DESCRIPTION:

- Traditional design utilizing a hydraulic jack, which is located directly under the platform and installed in the ground.

## ADVANTAGES:

- Generally the least expensive and easiest to install
- Offered in a wide range of capacities elevators
- Accommodates front, rear and side opening configurations
- Minimal pit and overhead requirements



# FREIGHT IN-GROUND

FREIGHT HOLED TYPE						
Loading	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door	Front/Rear
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F	Width G	
Class A	4000	8'-0" x 8'-10"	7'-0" x 8'-0"	6'-8" x 7'-5"	6'-8"	F
	4000	8'-0" x 8'-10"	7'-0" x 8'-0"	6'-8" x 7'-3"	6'-8"	F/R
	5000	9'-2" x 9'-10"	8'-0" x 9'-0"	7'-8" x 8'-5"	7'-8"	F
	5000	9'-2" x 9'-10"	8'-0" x 9'-0"	7'-8" x 8'-3"	7'-8"	F/R
	6000	10'-4" x 10'-10"	8'-4" x 10'-0"	8'-0" x 9'-5"	8'-0"	F
	6000	10'-4" x 10'-10"	8'-4" x 10'-0"	8'-0" x 9'-3"	8'-0"	F/R
	8000	10'-6" x 12'-10"	8'-4" x 12'-0"	8'-0" x 11'-5"	8'-0"	F
	8000	10'-6" x 12'-10"	8'-4" x 12'-0"	8'-0" x 11'-3"	8'-0"	F/R
	10000	12'-8" x 14'-10"	10'-4" x 14'-0"	10'-0" x 13'-5"	10'-0"	F
	10000	12'-8" x 14'-10"	10'-4" x 14'-0"	10'-0" x 13'-3"	10'-0"	F/R

Loading	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door	Front/Rear
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F	Width G	
Class B	8000	10'-6" x 22'-6"	8'-4" x 21'-8"	8'-0" x 21'-1"	8'-0"	F
	8000	10'-6" x 22'-6"	8'-4" x 21'-8"	8' 8'-0" x 20'-11"	8'-0"	F/R

Loading	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door	Front/Rear
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F	Width G	
Class C	8000	10'-6" x 12'-10"	8'-4" x 12'-0"	8'-0" x 11'-5"	8'-0"	F
	8000	10'-6" x 12'-10"	8'-4" x 12'-0"	8'-0" x 11'-3"	8'-0"	F/R
	10000	12'-8" x 14'-10"	10'-4" x 14'-0"	10'-0" x 13'-5"	10'-0"	F
	10000	12'-8" x 14'-10"	10'-4" x 14'-0"	10'-0" x 13'-3"	10'-0"	F/R

Hole Depth = Travel + 6'  
Speed available to 150 FPM

Cab & Door Height	Pit Depth	Overhead	
		Single	Two Section
7'-0"	4'-0"	13'-3"	11'-0"
8'-0"	4'-6"	14'-3"	12'-3"
9'-0"	5'-0"	15'-3"	13'-9"
10'-0"	5'-6"	16'-3"	15'-3"

## NOTES:

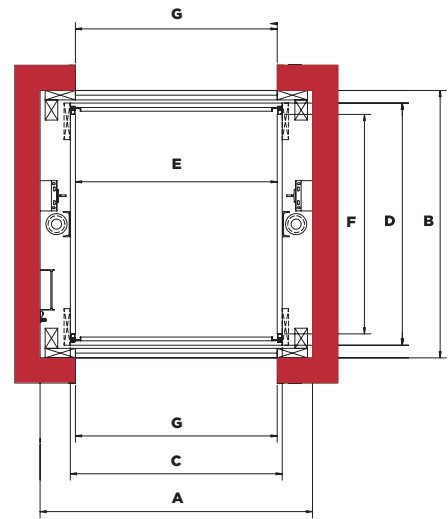
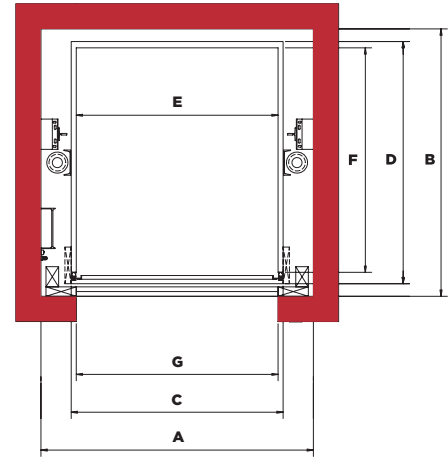
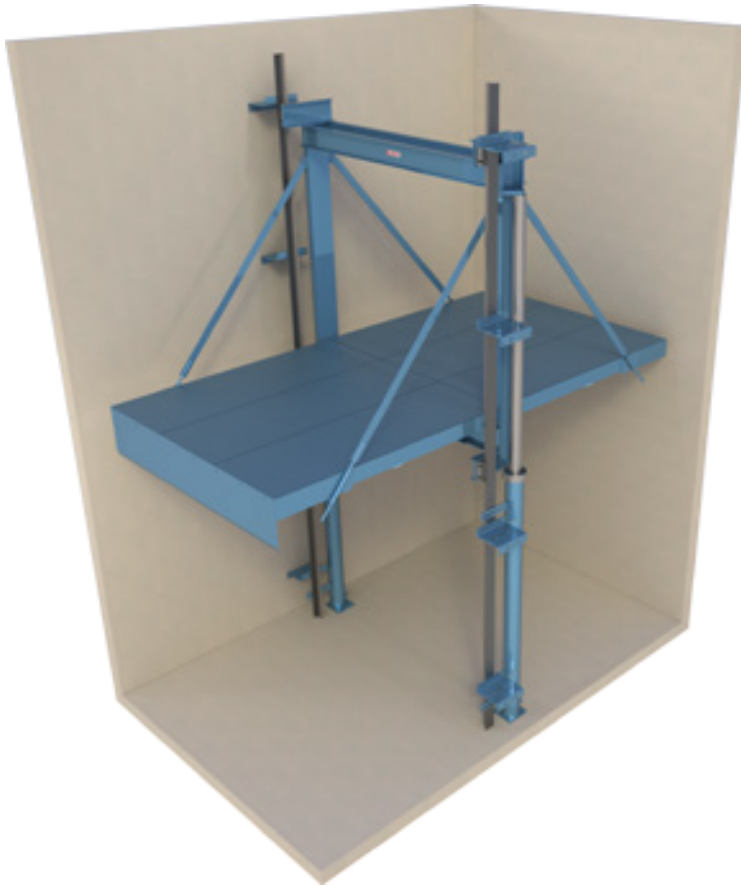
- Custom sizes, capacities and arrangements are available.

## IMPORTANT:

This information is intended for preliminary planning. We have attempted to include the basic data required for your planning efforts. For details about specific or custom installations, please contact your local Canton Elevator representative or contact us directly.



# FREIGHT DUAL HOLELESS



## DESCRIPTION:

- The design utilizes two direct acting jacks, located on each side of the platform and installed directly on the pit floor.

## ADVANTAGES:

- Jack hole is not required, eliminating the cost of drilling and the risk of ground contamination from an oil leak
- Offered in a wide range of capacities elevators
- Accommodates front, rear and side opening configurations





# FREIGHT DUAL HOLELESS

## FREIGHT HOLELESS SINGLE STAGE

Loading	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door	Front/Rear
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F	Width G	
Class A	4000	8'-0" x 8'-10"	7'-0" x 8'-0"	6'-8" x 7'-5"	6'-8"	F
	4000	8'-0" x 8'-10"	7'-0" x 8'-0"	6'-8" x 7'-3"	6'-8"	F/R
	5000	9'-2" x 9'-10"	8'-0" x 9'-0"	7'-8" x 8'-5"	7'-8"	F
	5000	9'-2" x 9'-10"	8'-0" x 9'-0"	7'-8" x 8'-3"	7'-8"	F/R
	6000	10'-6" x 10'-10"	8'-4" x 10'-0"	8'-0" x 9'-5"	8'-0"	F
	6000	10'-6" x 10'-10"	8'-4" x 10'-0"	8'-0" x 9'-3"	8'-0"	F/R
	8000	10'-8" x 12'-10"	8'-4" x 12'-0"	8'-0" x 11'-5"	8'-0"	F
	8000	10'-8" x 12'-10"	8'-4" x 12'-0"	8'-0" x 11'-3"	8'-0"	F/R
	10000	12'-8" x 14'-10"	10'-4" x 14'-0"	10'-0" x 13'-5"	10'-0"	F
	10000	12'-8" x 14'-10"	10'-4" x 14'-0"	10'-0" x 13'-3"	10'-0"	F/R

Loading	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door	Front/Rear
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F	Width G	
Class B	8000	10'-10" x 22'-6"	8'-4" x 21'-8"	8'-0" x 21'-1"	8'-0"	F
	8000	10'-10" x 22'-6"	8'-4" x 21'-8"	8'-0" x 20'-11"	8'-0"	F/R

Loading	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door	Front/Rear
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F	Width G	
Class C	8000	10'-8" x 12'-10"	8'-4" x 12'-0"	8'-0" x 11'-5"	8'-0"	F
	8000	10'-8" x 12'-10"	8'-4" x 12'-0"	8'-0" x 11'-3"	8'-0"	F/R
	10000	12'-8" x 14'-10"	10'-4" x 14'-0"	10'-0" x 13'-5"	10'-0"	F
	10000	12'-8" x 14'-10"	10'-4" x 14'-0"	10'-0" x 13'-3"	10'-0"	F/R

Speed available to 150 FPM

Cab & Door Height	Pit Depth	Overhead	
		Single Section	Two Section
7'-0"	4'-0"	13'-3"	11'-0"
8'-0"	4'-6"	14'-3"	12'-3"
9'-0"	5'-0"	15'-3"	13'-9"
10'-0"	5'-6"	16'-3"	15'-3"

### NOTES:

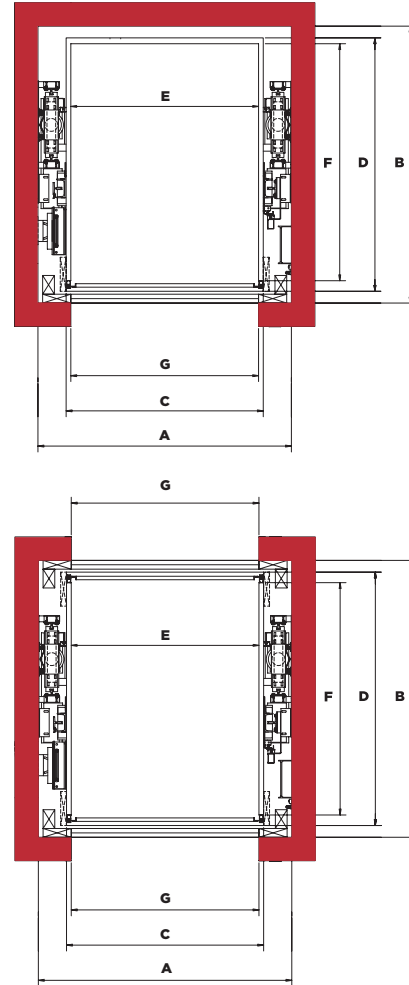
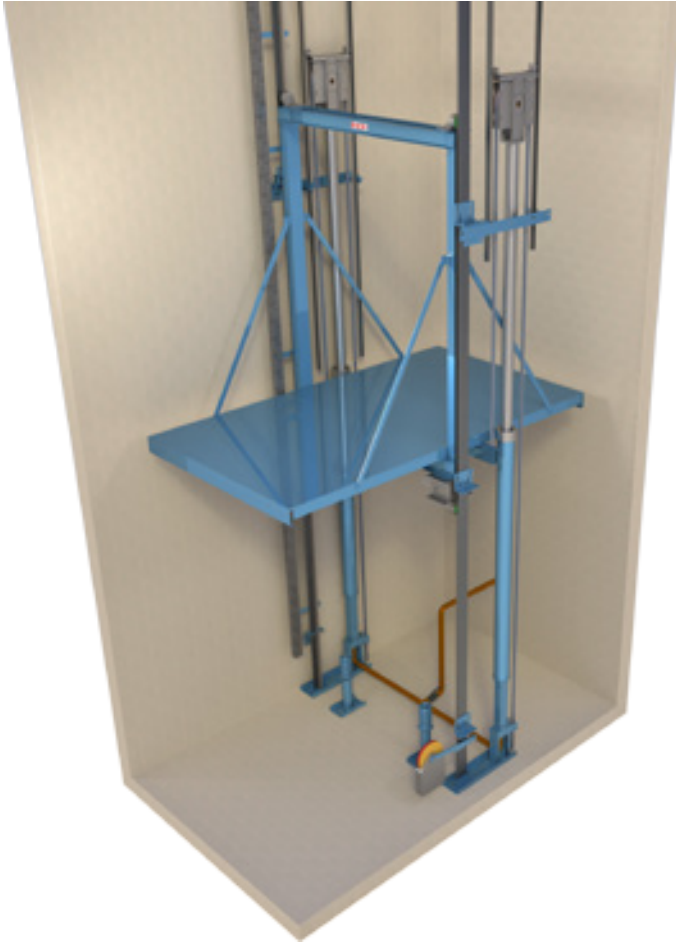
- Custom sizes, capacities and arrangements are available.

### IMPORTANT:

This information is intended for preliminary planning. We have attempted to include the basic data required for your planning efforts. For details about specific or custom installations, please contact your local Canton Elevator representative or contact us directly.



# FREIGHT DUAL ROPED



## DESCRIPTION:

- The design utilizes wire ropes in conjunction with two hydraulic jacks to lift the elevator at a 1:2 ratio. For each foot the jack rises, the elevator rises two feet.

## ADVANTAGES:

- Jack hole is not required, eliminating the cost of drilling and the risk of ground contamination from an oil leak
- Offered in a wide range of capacities elevators
- Accommodates front, rear and side opening configurations
- Available with higher travels up to approximately 90'
- Minimal pit and overhead requirements



# FREIGHT DUAL ROPED

## FREIGHT DUAL ROPED TYPE

Loading	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door	Front/Rear
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F	Width G	
Class A	4000	8'-0" x 8'-10"	7'-0" x 8'-0"	6'-8" x 7'-5"	6'-8"	F
	4000	8'-0" x 8'-10"	7'-0" x 8'-0"	6'-8" x 7'-3"	6'-8"	F/R
	5000	9'-0" x 9'-10"	8'-0" x 9'-0"	7'-8" x 8'-5"	7'-8"	F
	5000	9'-0" x 9'-10"	8'-0" x 9'-0"	7'-8" x 8'-3"	7'-8"	F/R
	6000	10'-6" x 10'-10"	8'-4" x 10'-0"	8'-0" x 9'-5"	8'-0"	F
	6000	10'-6" x 10'-10"	8'-4" x 10'-0"	8'-0" x 9'-3"	8'-0"	F/R
	8000	11'-0" x 12'-10"	8'-4" x 12'-0"	8'-0" x 11'-5"	8'-0"	F
	8000	11'-0" x 12'-10"	8'-4" x 12'-0"	8'-0" x 11'-3"	8'-0"	F/R
	10000	13'-0" x 14'-10"	10'-4" x 14'-0"	10'-0" x 13'-5"	10'-0"	F
	10000	13'-0" x 14'-10"	10'-4" x 14'-0"	10'-0" x 13'-3"	10'-0"	F/R

Loading	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door	Front/Rear
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F	Width G	
Class B	8000	11'-0" x 22'-6"	8'-4" x 21'-8"	8' 8'-0" x 21'-1"	8'-0"	F
	8000	11'-0" x 22'-6"	8'-4" x 21'-8"	8'-0" x 20'-11"	8'-0"	F/R

Loading	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door	Front/Rear
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F	Width G	
Class C	8000	11'-0" x 12'-10"	8'-4" x 12'-0"	8'-0" x 11'-5"	8'-0"	F
	8000	11'-0" x 12'-10"	8'-4" x 12'-0"	8'-0" x 11'-3"	8'-0"	F/R
	10000	13'-0" x 14'-10"	10'-4" x 14'-0"	10'-0" x 13'-5"	10'-0"	F
	10000	13'-0" x 14'-10"	10'-4" x 14'-0"	10'-0" x 13'-3"	10'-0"	F/R

\*Carlifts (Class B) require 6' minimum pit depth.  
Speed available to 150 FPM

Cab & Door Height	Pit Depth	Pit Depth	Overhead	
	Up to 8000 lbs.	Over 8000 lbs.	Single Section	Two Section
7'-0"	4'-0"	6'-0"	13'-3"	11'-0"
8'-0"	4'-6"	6'-0"	14'-3"	12'-3"
9'-0"	5'-0"	6'-0"	15'-3"	13'-9"
10'-0"	5'-6"	6'-0"	16'-3"	15'-3"

### NOTES:

- Custom sizes, capacities and arrangements are available.

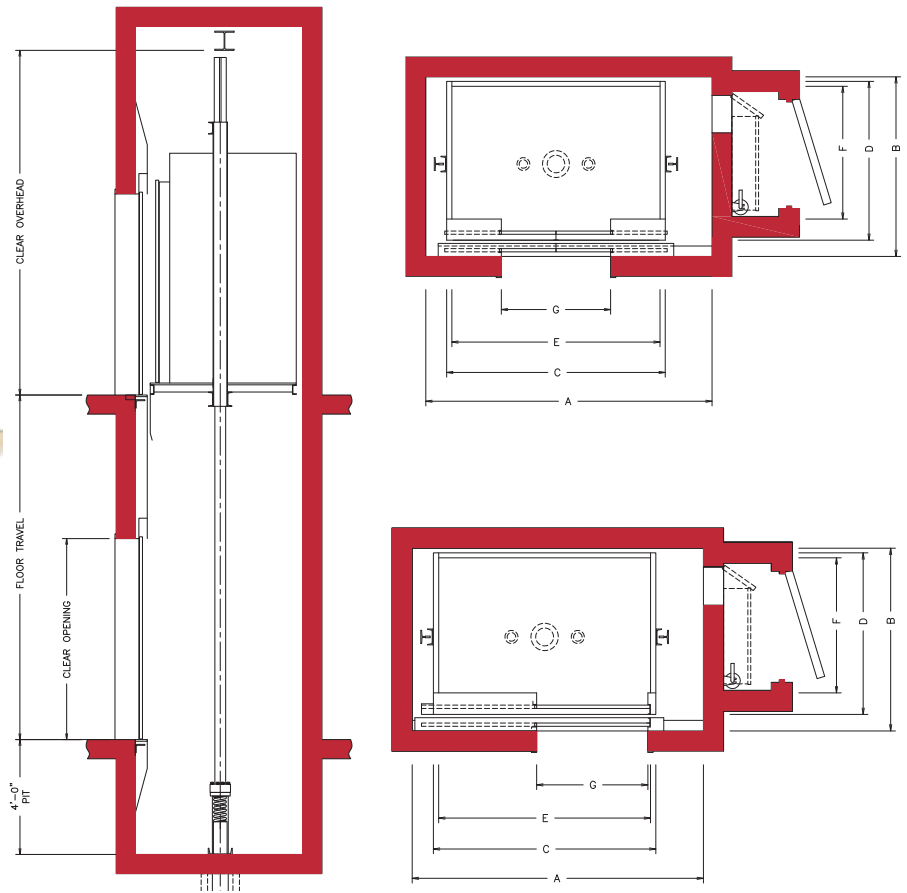
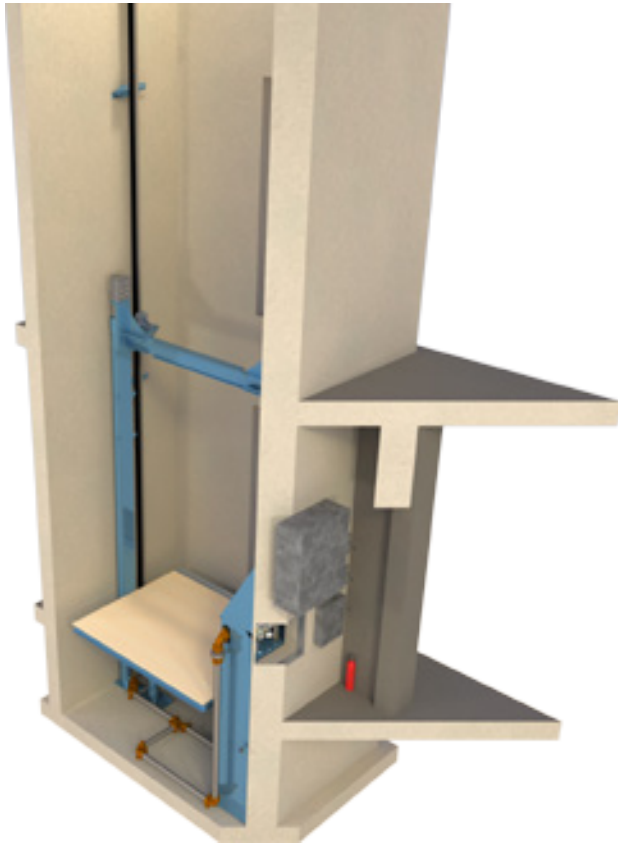
### IMPORTANT:

This information is intended for preliminary planning. We have attempted to include the basic data required for your planning efforts. For details about specific or custom installations, please contact your local Canton Elevator representative or contact us directly.



Made in U.S.A.

# REVOLUTION™ MRL IN-GROUND / HOLED FRONT



MRL HYDRO PASSENGER HOLED TYPE					FRONT OPEN ONLY	
Type	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door Type	Door Width G
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F		
Passenger	2000	8'-2" x 5'-10"	6'-0" x 5'-1"	5'-8" x 4'-3"	Single Speed	3'-0"
	2500	9'-2" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Single Speed	3'-6"
	2500	9'-2" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Center Opening	3'-6"
	3000	9'-2" x 6'-3"	7'-0" x 5'-6"	6'-8" x 4'-8"	Single Speed	3'-6"
	3000	9'-2" x 6'-3"	7'-0" x 5'-6"	6'-8" x 4'-8"	Center Opening	3'-6"
	3500	9'-2" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-4"	Single Speed	3'-6"
	3500	9'-2" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-4"	Center Opening*	3'-6"
	4000	10'-2" x 6'-11"	8'-0" x 6'-2"	7'-8" x 5'-4"	Single Speed	4'-0"
Hospital	4000	10'-2" x 6'-11"	8'-0" x 6'-2"	7'-8" x 5'-4"	Center Opening	4'-0"
	4000	8'-4" x 9'-6"	6'-0" x 8'-8"	5'-8" x 7'-8"	Two Speed	4'-0"
	4500	8'-4" x 9'-11"	6'-0" x 9'-1"	5'-8" x 8'-1"	Two Speed	4'-0"
	5000	9'-0" x 10'-5"	6'-0" x 9'-7"	5'-8" x 8'-7"	Two Speed	4'-6"

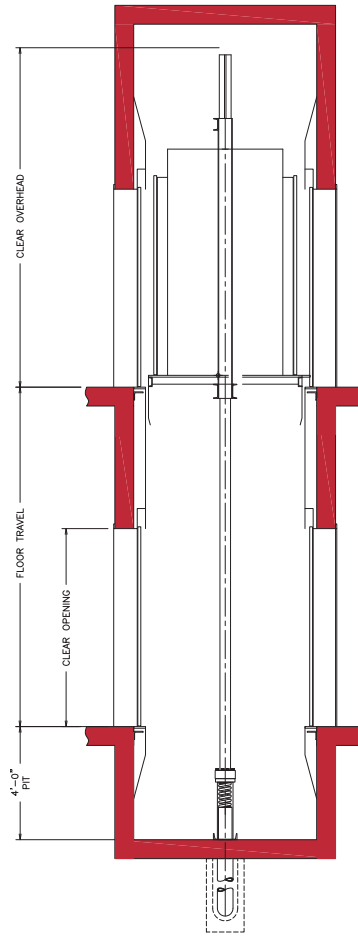
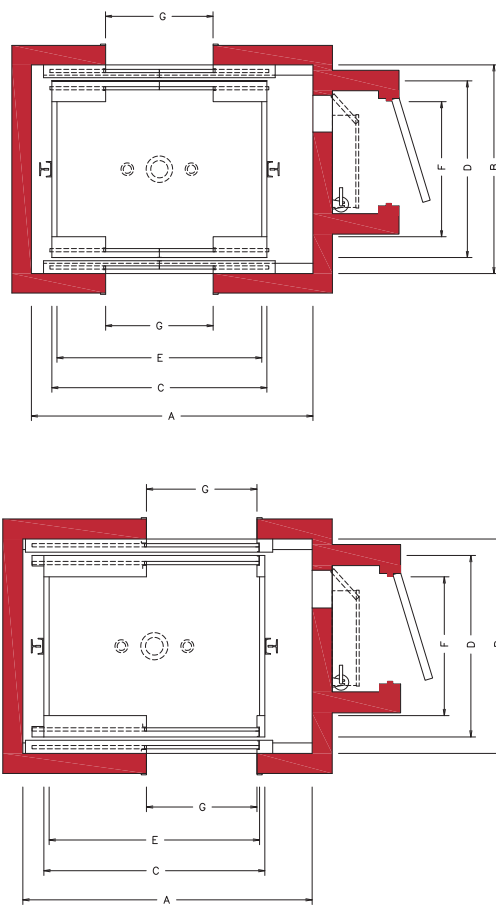
**NOTES:**

- 2000-lb. car complies with NEII recommendations for car to accommodate wheelchair.
- 3500-lb. and larger cars comply with NEII recommendations for car to accommodate ambulance size stretcher when equipped with single slide doors.

\*Center parting doors do not allow stretchers.



# REVOLUTION™ MRL IN-GROUND / HOLED FRONT & REAR



## DESCRIPTION:

This design utilizes a 1'-6" x 4'-0" control space in place of a 5'-6" x 7'-0" typical machine room while delivering the same performance as our traditional holed and holeless elevators.

## ADVANTAGES:

- Saves the building owner costs associated with a typical machine room (construction, HVAC, space).
- Suitable for mod or new construction.
- Can be used for existing hoist ways and non-standard dimensions.
- Control space can be located anywhere in the building and within 50'-0" of the hoist way.
- Utilizes a standard 4'-0" deep pit

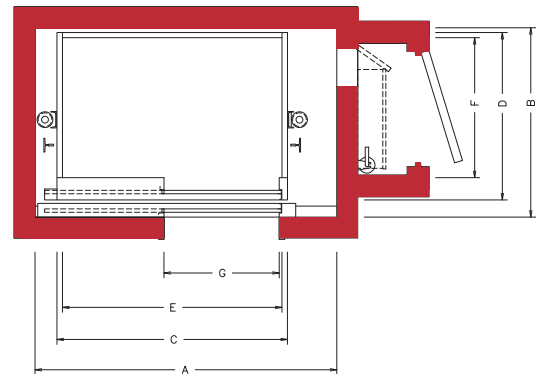
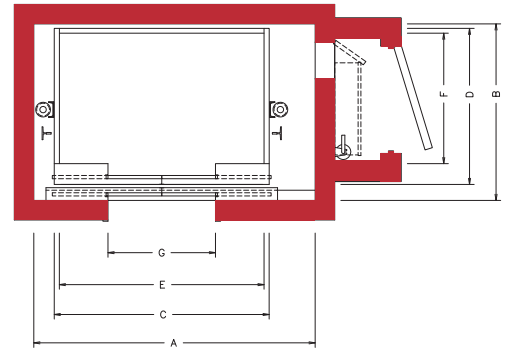
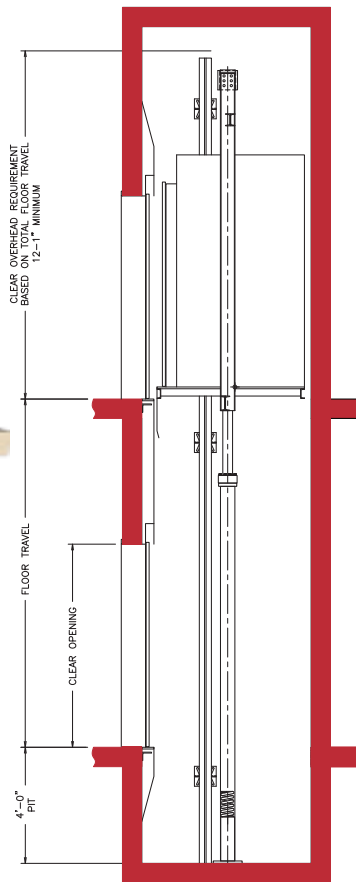
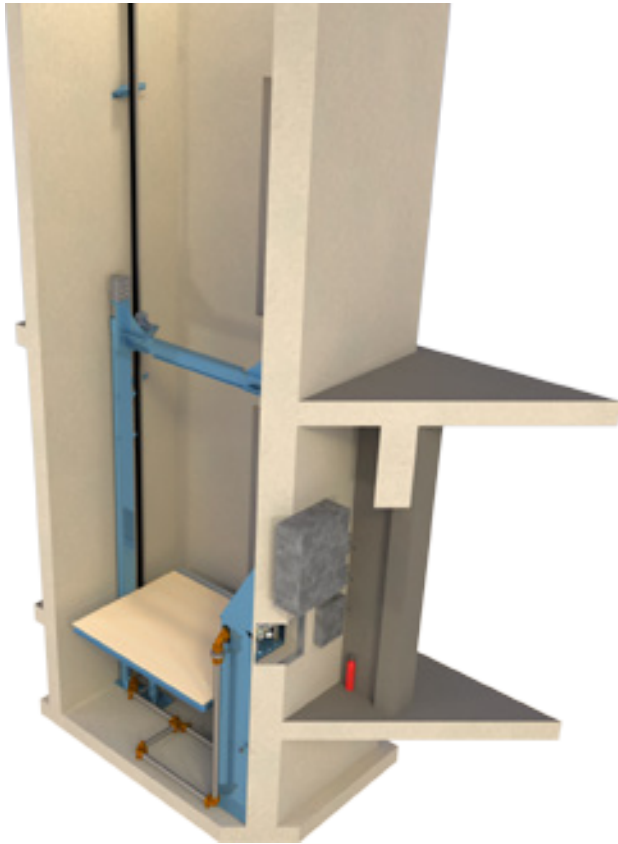
MRL PASSENGER HOLED TYPE					FRONT & REAR OPEN	
Type	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door Type	Door Width G
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F		
Passenger	2000	8'-2" x 6'-9 1/2"	6'-0" x 5'-9"	5'-8" x 4'-4"	Single Speed	3'-0"
	2500	9'-2" x 6'-9 1/2"	7'-0" x 5'-9"	6'-8" x 4'-4"	Single Speed	3'-6"
	2500	9'-2" x 6'-9 1/2"	7'-0" x 5'-9"	6'-8" x 4'-4"	Center Opening	3'-6"
	3000	9'-2" x 7'-1 1/2"	7'-0" x 6'-1"	6'-8" x 4'-8"	Single Speed	3'-6"
	3000	9'-2" x 7'-1 1/2"	7'-0" x 6'-1"	6'-8" x 4'-8"	Center Opening	3'-6"
	3500	9'-2" x 7'-9 1/2"	7'-0" x 6'-9"	6'-8" x 5'-4"	Single Speed	3'-6"
	3500	9'-2" x 7'-9 1/2"	7'-0" x 6'-9"	6'-8" x 5'-4"	Center Opening*	3'-6"
	4000	10'-2" x 7'-9 1/2"	8'-0" x 6'-9"	7'-8" x 5'-4"	Single Speed	4'-0"
Hospital	4000	10'-2" x 7'-9 1/2"	8'-0" x 6'-9"	7'-8" x 5'-4"	Center Opening	4'-0"
	4000	8'-2" x 10'-7 1/2"	6'-0" x 9'-4"	5'-8" x 7'-8"	Two Speed	4'-0"
	4500	8'-2" x 11'-0 1/2"	6'-0" x 9'-9"	5'-8" x 8'-1"	Two Speed	4'-0"
	5000	9'-0" x 11'-6 1/2"	6'-0" x 10'-3"	5'-8" x 8'-7"	Two Speed	4'-6"

## IMPORTANT:

This information is intended for preliminary planning. We have attempted to include the basic data required for your planning efforts. For details about specific or custom installations, please contact your local Canton Elevator representative or contact us directly.



# REVOLUTION™ MRL HOLELESS FRONT



MRL PASSENGER DUAL HOLELESS SINGLE STAGE & TELE					FRONT OPEN ONLY	
Type	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door Type	Door Width G
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F		
Passenger	2000	8'-2" x 5'-10"	6'-0" x 5'-1"	5'-8" x 4'-3"	Single Speed	3'-0"
	2500	9'-2" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Single Speed	3'-6"
	2500	9'-2" x 5'-10"	7'-0" x 5'-1"	6'-8" x 4'-3"	Center Opening	3'-6"
	3000	9'-2" x 6'-3"	7'-0" x 5'-6"	6'-8" x 4'-8"	Single Speed	3'-6"
	3000	9'-2" x 6'-3"	7'-0" x 5'-6"	6'-8" x 4'-8"	Center Opening	3'-6"
	3500	9'-2" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-4"	Single Speed	3'-6"
	3500	9'-2" x 6'-11"	7'-0" x 6'-2"	6'-8" x 5'-4"	Center Opening*	3'-6"
	4000	10'-2" x 6'-11"	8'-0" x 6'-2"	7'-8" x 5'-4"	Single Speed	4'-0"
	4000	10'-2" x 6'-11"	8'-0" x 6'-2"	7'-8" x 5'-4"	Center Opening	4'-0"
Hospital	4000	8'-4" x 9'-6"	6'-0" x 8'-8"	5'-8" x 7'-8 1/2"	Two Speed	4'-0"
	4500	8'-4" x 9'-11"	6'-0" x 9'-1"	5'-8" x 8'-1 1/2"	Two Speed	4'-0"
	5000	9'-0" x 10'-5"	6'-0" x 9'-7"	5'-8" x 8'-7 1/2"	Two Speed	4'-6"

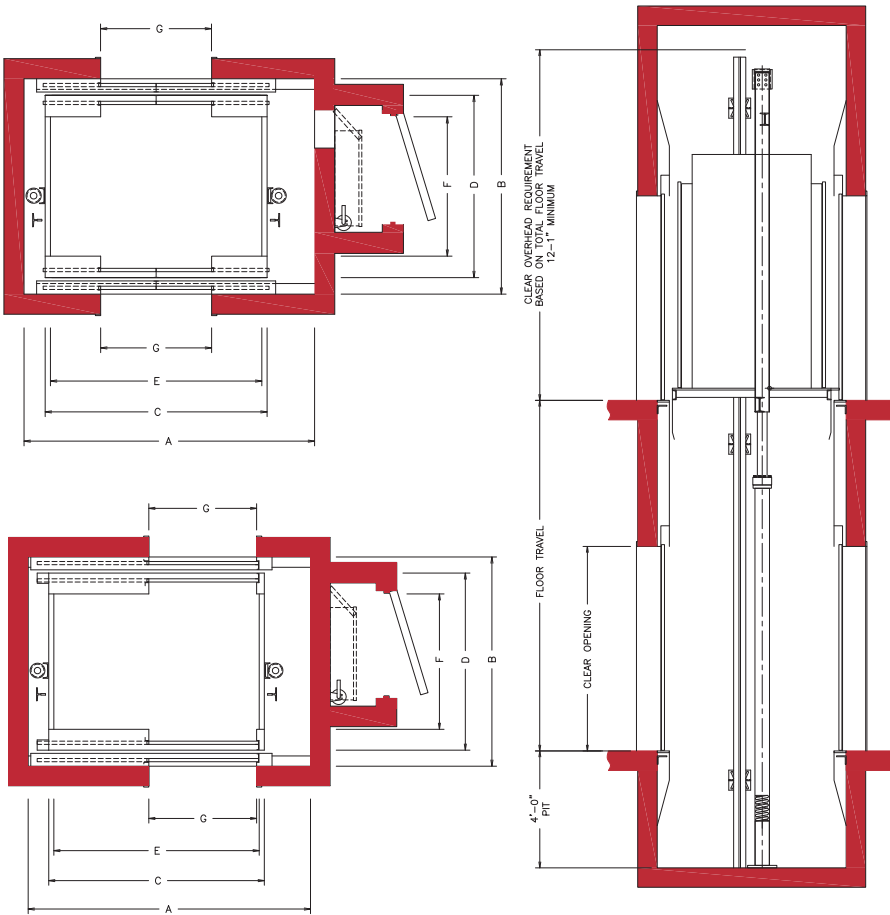
## NOTES:

- 2000-lb. car complies with NEII recommendations for car to accommodate wheelchair.
- 3500-lb. and larger cars comply with NEII recommendations for car to accommodate ambulance size stretcher when equipped with single slide doors.

\*Center parting doors do not allow stretchers.



# REVOLUTION™ MRL HOLELESS FRONT & REAR



## DESCRIPTION:

This design utilizes a 1'-6" x 4'-0" control space in place of a 5'-6" x 7'-0" typical machine room while delivering the same performance as our traditional holed and holeless elevators.

## ADVANTAGES:

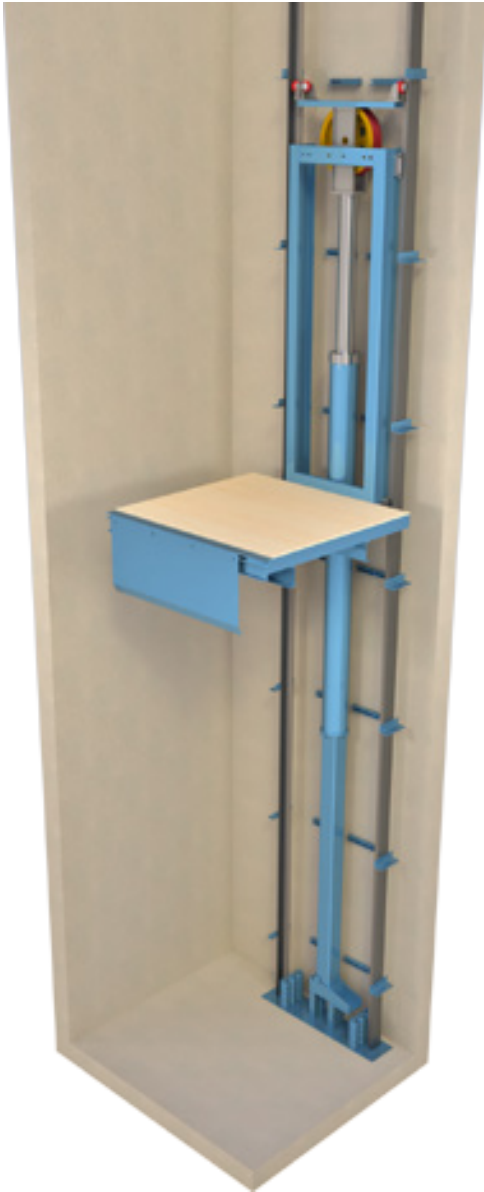
- Saves the building owner costs associated with a typical machine room (construction, HVAC, space).
- Suitable for mod or new construction.
- Can be used for existing hoist ways and non-standard dimensions.
- Control space can be located anywhere in the building and within 50'-0" of the hoist way.
- Utilizes a standard 4'-0" deep pit

MRL PASSENGER DUAL HOLELESS SINGLE STAGE & TELE					FRONT & REAR OPEN	
Type	Capacity (lbs)	Hoistway	Platform	Inside Cab	Door Type	Door Width G
		Width x Depth A x B	Width x Depth C x D	Width x Depth E x F		
Passenger	2000	8'-2" x 6'-9 1/2"	6'-0" x 5'-9"	5'-8" x 4'-4 3/4"	Single Speed	3'-0"
	2500	9'-2" x 6'-9 1/2"	7'-0" x 5'-9"	6'-8" x 4'-4 3/4"	Single Speed	3'-6"
	2500	9'-2" x 6'-9 1/2"	7'-0" x 5'-9"	6'-8" x 4'-4 3/4"	Center Opening	3'-6"
	3000	9'-2" x 7'-1 1/2"	7'-0" x 6'-1"	6'-8" x 4'-8 3/4"	Single Speed	3'-6"
	3000	9'-2" x 7'-1 1/2"	7'-0" x 6'-1"	6'-8" x 4'-8 3/4"	Center Opening	3'-6"
	3500	9'-2" x 7'-9 1/2"	7'-0" x 6'-9"	6'-8" x 5'-4 3/4"	Single Speed	3'-6"
	3500	9'-2" x 7'-9 1/2"	7'-0" x 6'-9"	6'-8" x 5'-4 3/4"	Center Opening*	3'-6"
	4000	10'-2" x 7'-9 1/2"	8'-0" x 6'-9"	7'-8" x 5'-4 3/4"	Single Speed	4'-0"
	4000	10'-2" x 7'-9 1/2"	8'-0" x 6'-9"	7'-8" x 5'-4 3/4"	Center Opening	4'-0"
Hospital	4000	8'-2" x 10'-7 1/2"	6'-0" x 9'-4"	5'-8" x 7'-8 3/4"	Two Speed	4'-0"
	4500	8'-2" x 11'-0 1/2"	6'-0" x 9'-9"	5'-8" x 8'-1 3/4"	Two Speed	4'-0"
	5000	9'-0" x 11'-6 1/2"	6'-0" x 10'-3"	5'-8" x 8'-7 3/4"	Two Speed	4'-6"

## IMPORTANT:

This information is intended for preliminary planning. We have attempted to include the basic data required for your planning efforts. For details about specific or custom installations, please contact your local Canton Elevator representative or contact us directly.





## CANTON LULA ELEVATOR

### Limited Use / Limited Application Elevator

- Low-rise, low occupancy commercial building
- More standard amenities, optional features and safety precautions
- Same Canton Elevator reliability and durability

The LULA elevator provides customers with an affordable solution for accessibility needs. Canton Elevator offers the supremely practical Limited Use/Limited Application (LULA) elevator that exceeds your needs. These elevator systems are ideal for schools, churches, libraries, small businesses, restaurants and department stores to name a few.

### Affordable Solutions for Commercial Applications

At Canton Elevator, our goal is to take the elevator buying process to the next level by offering more than our competition—more standard amenities, more optional features and more safety precautions, which ultimately equals more value.

Canton Elevator's 1:2 cable hydraulic drive and submersed pump delivers a smooth ultra-quiet ride. To guarantee performance and durability, LULA Elevators are constructed from the same premium grade components utilized in our Commercial Elevator packages.



## Specification

- Application: Limited Use/Limited Application
- Load Capacity: 1400 lbs.
- Rated Speed: 30 FPM
- Power Supply: 230V 1PH 60Hz (3-Phase power available)
- Control System: Selective Collective
- Drive System: 1:2 cable hydraulic with submersed pump and motor
- Platform Sizes: 48" x 54", 42" x 60" and 51" x 51" (18 Sq/Ft) (Consult factory for custom size platforms)
- Travel: 25 feet
- Pit and Overhead: 16" (optional 14") pit with 11'-0" overhead
- Machine Room: 5' x 6' x 7'H

## Standard Cab Features

- Overall Height: 84"
- Wall Construction: Wood core faced with plastic laminate and #4 stainless steel base
- Canopy and Ceiling: 12 ga. Steel White Enamel Canopy w/thermoclear suspended anodized aluminium t-frame ceiling and fluorescent lights
- Handrail: #4 stainless steel 3/8" x 2" flat bar with returned ends on one wall
- Doors and Front: 2-speed horizontal sliding doors and return assembly with #4 stainless steel finish
- Door Operator: GAL MODL
- Extra Amenities: Single Speed Exhaust Fan and #4 stainless steel Certificate Frame
- Contact CEI for custom interior finishes

## Hoistway Door and Entrances

- Dimensions: 36" wide x 80" tall
- Door and Frame: 2-speed horizontal sliding fire-rated door and frame assemblies with baked enamel finish and extruded aluminium sill

## Car Operating Panel and Hall Stations

- Design and Finish: Rectangular face plate with #4 stainless steel finish
- In Car Features: White illuminated buttons with black halos and braille tags, car position indicator with floor location and directional arrows, traveling lantern, emergency lighting, hands-free phone, alarm bell with alarm button, nudging buzzer, capacity plate and key switches (on/off light, fan, independent service, stop and access)
- Hall Features: White illuminated buttons with black halos and access

## Additional Features

- Car frame manufactured with 3/16" and 1/4" formed steel members
- Platform made with 1-5/8" power strut steel framing with 11 ga. steel fire stop and 3/4" subfloor
- Infra-red door edge protection with automatic door reopen system
- Car top inspection station with alarm bell and lamp guard
- Manual reset slack rope safety switch, type A safety brakes and pipe rupture valve
- Pump run timer, home park feature and low oil protection timer circuit
- Fire service/Overspeed governor available (to suit local code requirements)
- Available pit prop/car top device (per ASME A17.1 Section 5.2)





# TRACTION **ELEVATOR**

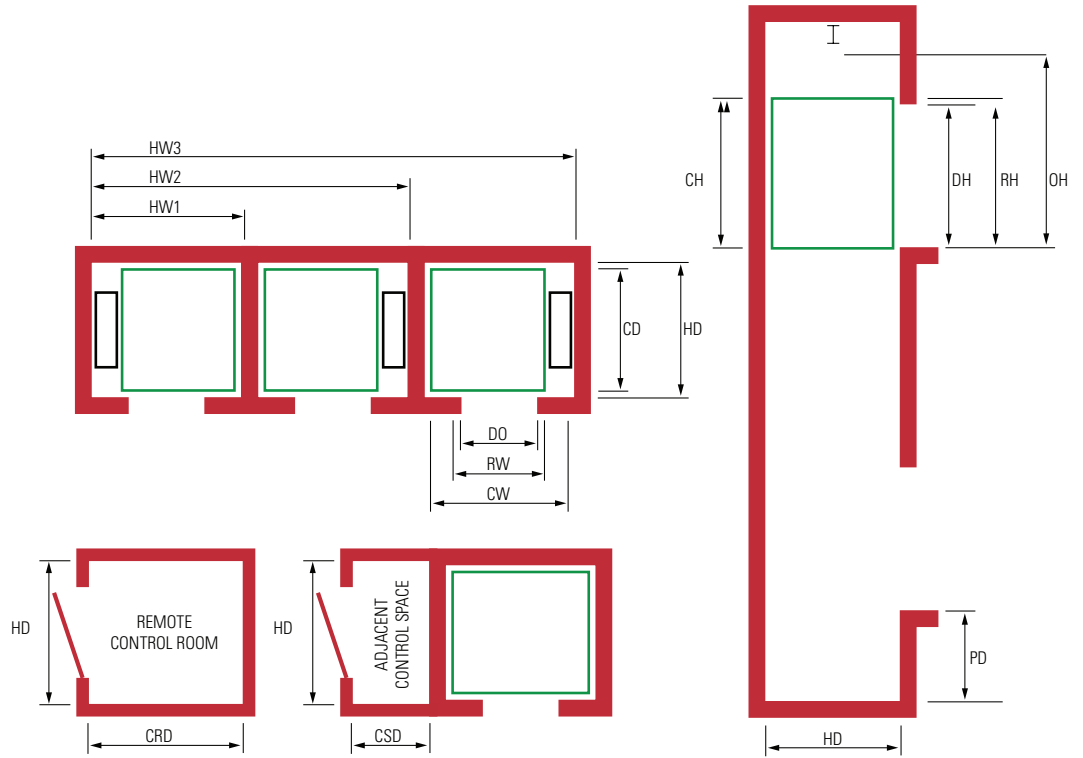


*THE STATUE OF LIBERTY, NEW YORK CITY*



# FREEDOM<sup>®</sup> MC SERIES

## FRONT OPENING



**MAXIMUM TRAVEL:** 100 ft.

**MAXIMUM STOPS:** 10

**SPEED (FT/MIN.):** 150, 200, and 350 fpm

In addition to Canton's standard applications listed in this planning guide, custom applications are also available from Canton. Consult with your Canton Sales Representative to review your special design requirements.



# FREEDOM<sup>®</sup> MC SERIES

## FRONT OPENING

		PASSENGER			
Capacity		<b>2100</b>	<b>2500</b>	<b>3000</b>	<b>3500</b>
Passenger capacity <sup>2</sup>		13/12	16/15	20/18	23/21
Gurney compliance (24" x 76" or 24" x 84") <sup>5</sup>		N	76"	76"	84"
Door Types <sup>5</sup>		1SPSS	1SPSS CO	1SPSS CO	1SPSS CO
<b>CAR<sup>3</sup></b>					
<b>CW</b>	Interior width	5' - 8"	6' - 8 1/2"	6' - 8 1/2"	6' - 8 1/2"
<b>CD</b>	Interior depth	4' - 3"	4' - 3 1/4"	4' - 9 1/4"	5' - 6"
	Square footage	24.1	28.7	32.5	36.9
<b>CW</b>	Interior height <sup>4</sup>	8' - 0" (Optional cab heights up to 10' - 0")			
<b>CD</b>	Car door width	3' - 0"	3' - 6"	3' - 6"	3' - 6"
<b>HOISTWAY</b>					
<b>HW1</b>	Single hoistway <sup>1</sup>	8' - 9"	9' - 10"	9' - 10"	9' - 10"
	In seismic zones <sup>1</sup>	8' - 11"	10' - 0"	10' - 0"	10' - 0"
<b>HW2</b>	Double hoistway <sup>1</sup>	17' - 10"	20' - 0"	20' - 0"	20' - 0"
	In seismic zones <sup>1</sup>	18' - 2"	20' - 4"	20' - 4"	20' - 4"
<b>HW3</b>	Triple hoistway <sup>1</sup>	26' - 11"	30' - 2"	30' - 2"	30' - 2"
	In seismic zones <sup>1</sup>	27' - 5"	30' - 8"	30' - 8"	30' - 8"
<b>HD</b>	Hoistway depth	6' - 7 1/2"	6' - 7 1/2"	7' - 1 1/2"	7' - 10"
	In seismic zones	6' - 7 1/2"	6' - 7 1/2"	7' - 1 1/2"	7' - 10"
<b>RW</b>	Rough opening width (minimum)	3' - 6"	4' - 0"	4' - 0"	4' - 0"
<b>RH</b>	Rough opening height (minimum)	7' - 3"	7' - 3"	7' - 3"	7' - 3"
<b>DH</b>	Clear opening height	7' - 0"	7' - 0"	7' - 0"	7' - 0"
<b>OH</b>	Clear overhead for 8' - 0" car @ 150 fpm <sup>4</sup>	14' - 6"	14' - 6"	14' - 6"	14' - 6"
	@ 200 fpm <sup>4</sup>	14' - 6"	14' - 6"	14' - 6"	14' - 6"
	@ 350 fpm <sup>4</sup>	14' - 6"	14' - 6"	14' - 6"	14' - 6"
<b>PD</b>	Minimum pit depth @ 150 fpm	5' - 6"	5' - 6"	5' - 6"	5' - 6"
	@ 200 fpm	5' - 6"	5' - 6"	5' - 6"	5' - 6"
	@ 350 fpm	6' - 0"	6' - 0"	6' - 0"	6' - 0"
<b>CONTROL CLOSET/ROOM</b>					
<b>CSD</b>	Control space - single car	HD x 2' - 10" (minimum)			
<b>CRD</b>	Control room - single car	HD x 5' - 0" (minimum)			
<b>CRD</b>	Control room - double car	HD x 7' - 0" (minimum)			
<b>CRD</b>	Control room - triple car	HD x 9' - 0" or W x D			

Available up to 5000 lb capacity, contact your Sales Representative for more information.

### NOTES:

<sup>1</sup> For elevators with occupied space below the elevator pit, this dimension will change.

<sup>2</sup> Capacity requirements: US & Canada (see A17.1/B44, Appendix D).

<sup>3</sup> Interior dimensions may vary depending on standard interior finish selections.

<sup>4</sup> For cab heights greater than 8' - 0", add the measurement difference to the **OH** dimension.

350 fpm example: 9' - 0" minus 8' - 0" = 1' - 0" + 17' - 1" = 18' - 1".

All overhead heights are clear under anything in the overhead structure.

<sup>5</sup> Gurney compliance on passenger cars up to 3500 lbs. capacity must be side slide doors.

Dimensions listed above for multiple hoistways are based on the use of 4" divider beams.

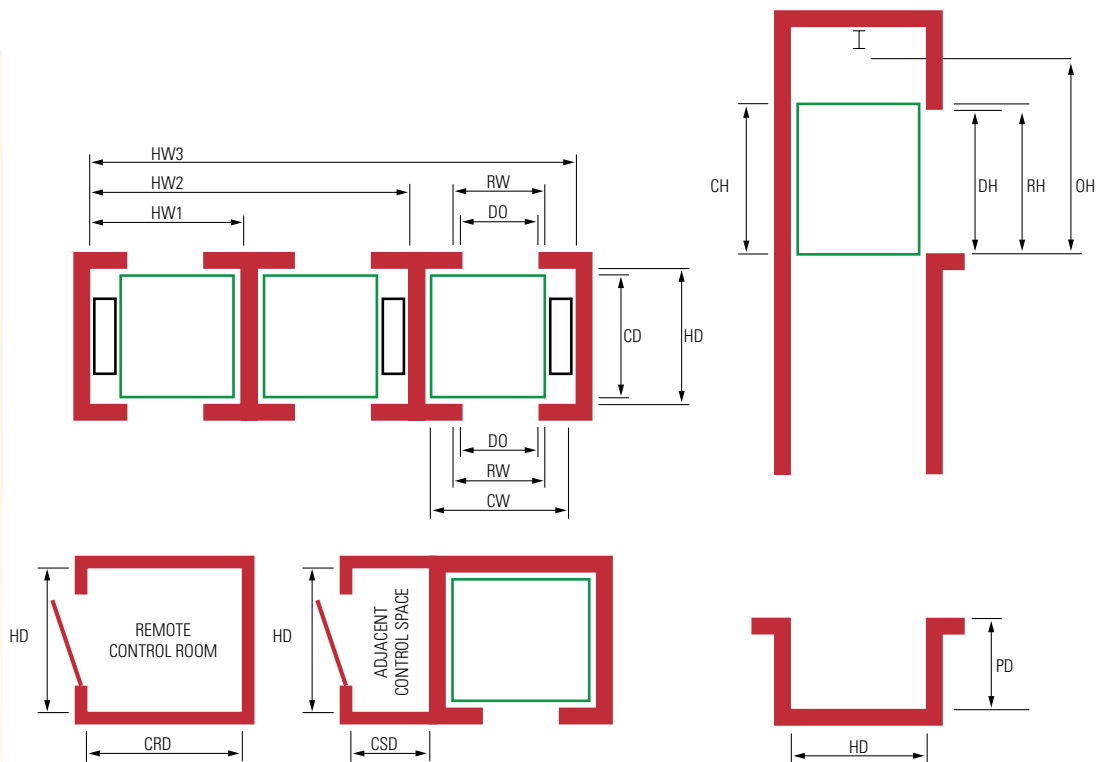
If wider divider beams are utilized, a wider clear hoistway will be required.



Made in U.S.A.

# FREEDOM<sup>®</sup> MC SERIES

## FRONT & REAR OPENINGS



**MAXIMUM TRAVEL:** 100 ft.

**MAXIMUM STOPS:** 10

**SPEED (FT/MIN.):** 150, 200, and 350 fpm

In addition to Canton's standard applications listed in this planning guide, custom applications are also available from Canton. Consult with your Canton Sales Representative to review your special design requirements.



# FREEDOM<sup>®</sup> MC SERIES

## FRONT & REAR OPENINGS

		PASSENGER	
Capacity		<b>2500</b>	<b>3000</b>
Passenger capacity <sup>2</sup>		16/15	20/18
Gurney compliance (24" x 76" or 24" x 84") <sup>5</sup>		76"	76"
Door Types <sup>5</sup>		1SPSS CO	1SPSS CO
<b>CAR<sup>3</sup></b>			
<b>CW</b>	Interior width	6' - 8 1/2"	6' - 8 1/2"
<b>CD</b>	Interior depth	4' - 3 1/4"	4' - 9 1/4"
	Square footage	28.7	32.5
<b>CW</b>	Interior height <sup>4</sup>	8' - 0" (Optional cab heights up to 10' - 0")	
<b>CD</b>	Car door width	3' - 6"	3' - 6"
<b>HOISTWAY</b>			
<b>HW1</b>	Single hoistway <sup>1</sup>	9' - 10"	9' - 10"
	In seismic zones <sup>1</sup>	10' - 0"	10' - 0"
<b>HW2</b>	Double hoistway <sup>1</sup>	20' - 0"	20' - 0"
	In seismic zones <sup>1</sup>	20' - 4"	20' - 4"
<b>HW3</b>	Triple hoistway <sup>1</sup>	30' - 2"	30' - 2"
	In seismic zones <sup>1</sup>	30' - 8"	30' - 8"
<b>HD</b>	Hoistway depth	6' - 7 1/2"	7' - 11/2"
	In seismic zones	6' - 7 1/2"	7' - 11/2"
<b>RW</b>	Rough opening width (minimum)	4' - 0"	4' - 0"
<b>RH</b>	Rough opening height (minimum)	7' - 3"	7' - 3"
<b>DH</b>	Clear opening height	7' - 0"	7' - 0"
<b>OH</b>	Clear overhead for 8' - 0" car @ 150 fpm <sup>4</sup>	14' - 6"	14' - 6"
	@ 200 fpm <sup>4</sup>	14' - 6"	14' - 6"
	@ 350 fpm <sup>4</sup>	14' - 6"	14' - 6"
<b>PD</b>	Minimum pit depth @ 150 fpm	5' - 6"	5' - 6"
	@ 200 fpm	5' - 6"	5' - 6"
	@ 350 fpm	6' - 0"	6' - 0"
<b>CONTROL CLOSET/ROOM</b>			
<b>CSD</b>	Control space - single car	HD x 2' - 10" (minimum)	
<b>CRD</b>	Control room - single car	HD x 5' - 0" (minimum)	
<b>CRD</b>	Control room - double car	HD x 7' - 0" (minimum)	
<b>CRD</b>	Control room - triple car	HD x 9' - 0" or W x D	

Available up to 5000 lb capacity, contact your Sales Representative for more information.

### NOTES:

<sup>1</sup> For elevators with occupied space below the elevator pit, this dimension will change.

<sup>2</sup> Capacity requirements: US & Canada (see A17.1/B44, Appendix D).

<sup>3</sup> Interior dimensions may vary depending on standard interior finish selections.

<sup>4</sup> For cab heights greater than 8' - 0", add the measurement difference to the **OH** dimension.  
350 fpm example: 9' - 0" minus 8' - 0" = 1' - 0" + 17' - 1" = 18' - 1".

All overhead heights are clear under anything in the overhead structure.

<sup>5</sup> Gurney compliance on passenger cars up to 3500 lbs. capacity must be side slide doors.

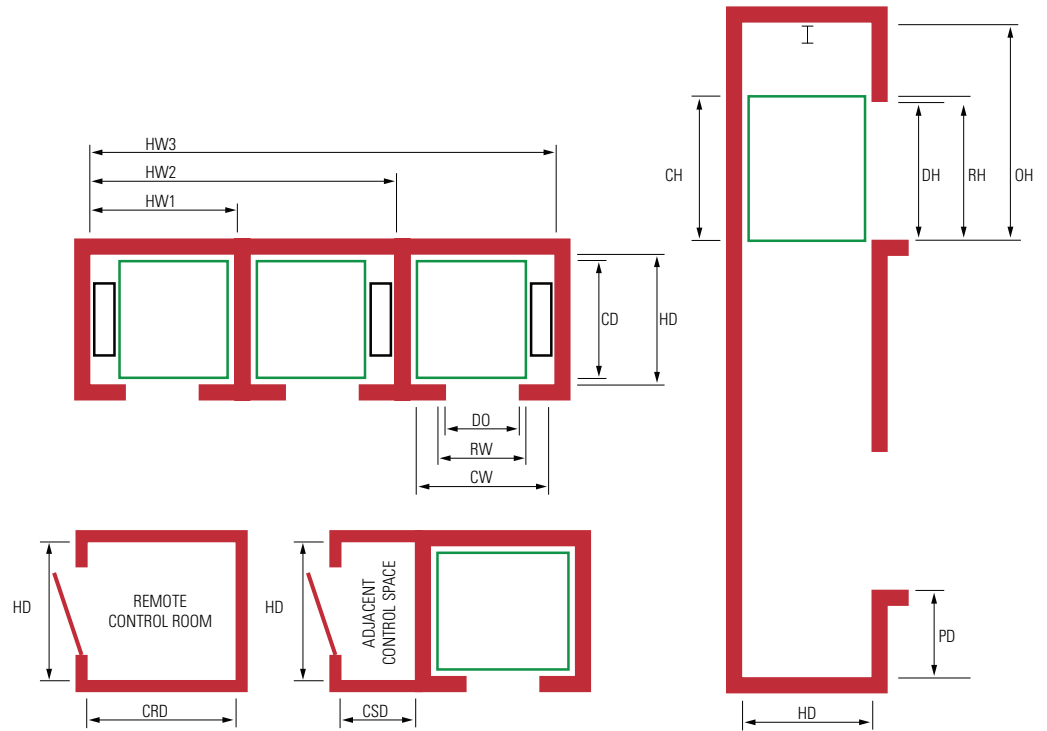
Dimensions listed above for multiple hoistways are based on the use of 4" divider beams. If wider divider beams are utilized, a wider clear hoistway will be required.



Made in U.S.A.

# FREEDOM<sup>®</sup> MB SERIES

## FRONT OPENING WITH SIDE COUNTERWEIGHT



**MAXIMUM TRAVEL:** 250 ft.

**MAXIMUM STOPS:** 32

**SPEED (FT/MIN.):** 150, 200, 350 and 500 fpm

**NOTES:**

- For applications over 100 ft or compensation add 8 inches to pit depth

In addition to Canton's standard applications listed in this planning guide, custom applications are also available from Canton. Consult with your Canton Sales Representative to review your special design requirements.





# FREEDOM<sup>®</sup> MB SERIES

## FRONT OPENING WITH SIDE COUNTERWEIGHT

		PASSENGER								
Capacity		2100	2500	3000	3500	4000	H4000	H4500	H5000	H5000 AIA
Passenger capacity <sup>2</sup>		13/12	16/15	20/18	23/21	27/25	27/25	30/28	33/31	33/31
Gurney compliance (24" x 76" or 24" x 84") <sup>5</sup>		N	76"	76"	84"	84"	84"	84"	84"	84"
Door Types <sup>5</sup>		1SPSS	1SPSS CO	1SPSS CO	1SPSS CO	2SPSS CO	2SPSS 2SPCO	2SPSS 2SPCO	2SPSS 2SPCO	2SPSS 2SPCO
<b>CAR<sup>3</sup></b>										
<b>CW</b>	Interior width	5' - 8"	6' - 9"	6' - 9"	6' - 9"	7' - 9"	5' - 9"	5' - 9"	6' - 0"	5' - 9"
<b>CD</b>	Interior depth	4' - 6"	4' - 4"	5' - 0"	5' - 8"	5' - 6"	7' - 5"	8' - 1"	8' - 6"	9' - 0"
	Square footage	25.5	29.3	33.8	38.3	42.6	42.6	46.5	51.0	51.8
<b>CW</b>	Interior height <sup>4</sup>	8' - 0" (Optional cab heights up to 10' - 0")								
<b>CD</b>	Car door width	3' - 0"	3' - 6"	3' - 6"	3' - 6"	4' - 0"	4' - 0"	4' - 0"	4' - 6"	4' - 0"
<b>HOISTWAY</b>										
<b>HW1</b>	Single hoistway <sup>1</sup>	8' - 9"	9' - 10"	9' - 10"	9' - 10"	10' - 10"	8' - 10"	8' - 10"	9' - 1"	8' - 10"
	In seismic zones <sup>1</sup>	8' - 11"	10' - 0"	10' - 0"	10' - 0"	11' - 0"	9' - 0"	9' - 0"	9' - 3"	9' - 0"
<b>HW2</b>	Double hoistway <sup>1</sup>	17' - 10"	20' - 0"	20' - 0"	20' - 0"	22' - 0"	18' - 0"	18' - 0"	18' - 6"	18' - 0"
	In seismic zones <sup>1</sup>	18' - 2"	20' - 4"	20' - 4"	20' - 4"	22' - 4"	18' - 4"	18' - 4"	18' - 10"	18' - 4"
<b>HW3</b>	Triple hoistway <sup>1</sup>	26' - 11"	30' - 2"	30' - 2"	30' - 2"	33' - 2"	27' - 2"	27' - 2"	27' - 11"	27' - 2"
	In seismic zones <sup>1</sup>	27' - 5"	30' - 8"	30' - 8"	30' - 8"	33' - 8"	27' - 8"	27' - 8"	28' - 5"	27' - 8"
<b>HD</b>	Hoistway depth	6' - 7 1/2"	6' - 7 1/2"	7' - 11/2"	7' - 10"	7' - 10"	9' - 5"	9' - 11"	10' - 6"	11' - 0"
	In seismic zones	6' - 7 1/2"	6' - 7 1/2"	7' - 11/2"	7' - 10"	7' - 10"	9' - 5"	9' - 11"	10' - 6"	11' - 0"
<b>RW</b>	Rough opening width (minimum)	3' - 6"	4' - 0"	4' - 0"	4' - 0"	4' - 6"	4' - 6"	4' - 6"	5' - 0"	4' - 6"
<b>RH</b>	Rough opening height (minimum)	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"
<b>DH</b>	Clear opening height	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"
<b>OH</b>	Clear overhead for 8' - 0" car @ 150 fpm <sup>4</sup>	17' - 3"	17' - 3"	17' - 3"	17' - 3"	17' - 8"	17' - 8"	17' - 8"	18' - 1"	18' - 1"
	@ 200 fpm <sup>4</sup>	17' - 4"	17' - 4"	17' - 4"	17' - 4"	17' - 9"	17' - 9"	17' - 9"	18' - 2"	18' - 2"
	@ 350 fpm <sup>4</sup>	18' - 0"	18' - 0"	18' - 0"	18' - 0"	18' - 6"	18' - 6"	18' - 6"	18' - 9"	18' - 9"
	@ 500 fpm <sup>4</sup>	19' - 0"	19' - 0"	19' - 0"	19' - 0"	19' - 6"	19' - 6"	19' - 6"	19' - 9"	19' - 9"
<b>PD</b>	Minimum pit depth for 8' - 0" car @ 150 fpm	5' - 0"	5' - 0"	5' - 0"	5' - 0"	5' - 3"	5' - 3"	5' - 3"	5' - 3"	5' - 3"
	@ 200 fpm	5' - 0"	5' - 0"	5' - 0"	5' - 0"	5' - 3"	5' - 3"	5' - 3"	5' - 3"	5' - 3"
	@ 350 fpm	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"
	@ 500 fpm	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"
<b>CONTROL CLOSET/ROOM</b>										
<b>CSD</b>	Control space - single car	HD x 2' - 10" (minimum)								
<b>CRD</b>	Control room - single car	HD x 5' - 0" (minimum)								
<b>CRD</b>	Control room - double car	HD x 7' - 0" (minimum)								
<b>CRD</b>	Control room - triple car	HD x 9' - 0" or W x D								

Some jurisdictions may require special maintenance access considerations.

### NOTES:

<sup>1</sup> For elevators with occupied space below the elevator pit, this dimension will change.

<sup>2</sup> Capacity requirements: US & Canada (see A17.1/B44, Appendix D).

<sup>3</sup> Interior dimensions may vary depending on standard interior finish selections.

<sup>4</sup> For cab heights greater than 8' - 0", add the measurement difference to the **OH** dimension.

350 fpm example: 9' - 0" minus 8' - 0" = 1' - 0" + 17' - 1" = 18' - 1".

All overhead heights are clear under anything in the overhead structure.

<sup>5</sup> Gurney compliance on passenger cars up to 3500 lbs. capacity must be side slide doors.

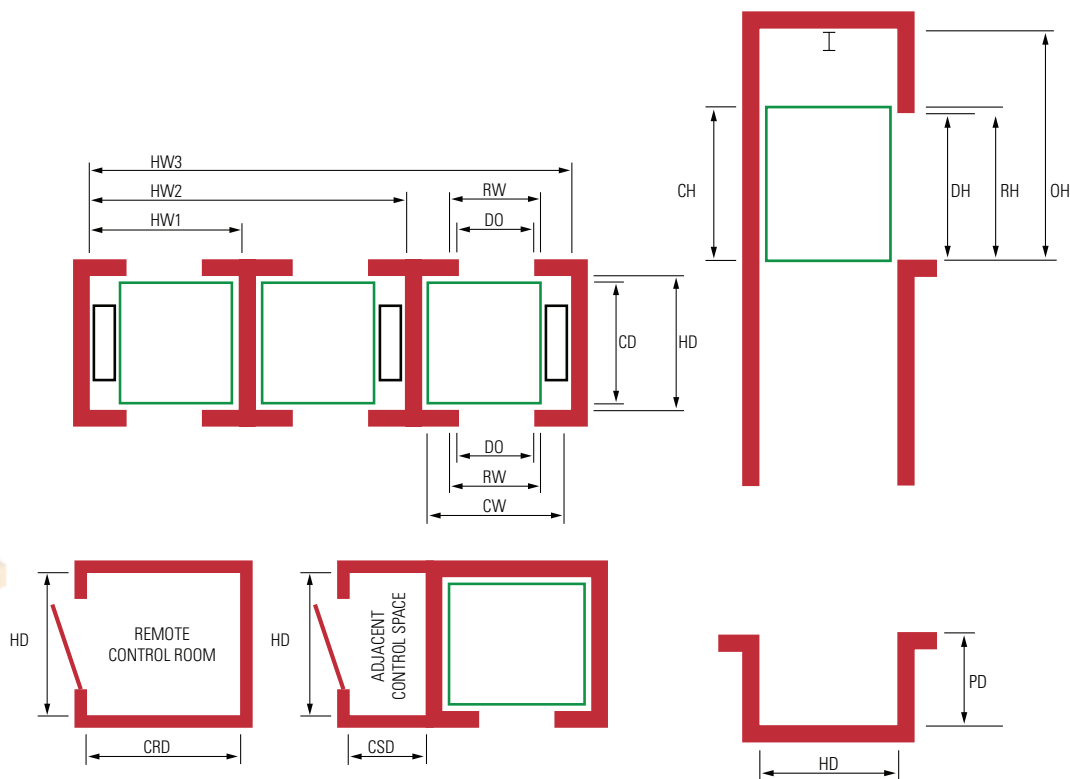
Dimensions listed above for multiple hoistways are based on the use of 4" divider beams.

If wider divider beams are utilized, a wider clear hoistway will be required.



# FREEDOM<sup>®</sup> MB SERIES

## FRONT & REAR OPENINGS



**MAXIMUM TRAVEL:** 250 ft.

**MAXIMUM STOPS:** 32

**SPEED (FT/MIN.):** 150, 200, 350 and 500 fpm

**NOTES:**

- For applications over 100 ft or compensation add 8 inches to pit depth

In addition to Canton's standard applications listed in this planning guide, custom applications are also available from Canton. Consult with your Canton Sales Representative to review your special design requirements.



# FREEDOM<sup>®</sup> MB SERIES

## FRONT & REAR OPENINGS

		PASSENGER							
Capacity		2500	3000	3500	4000	H4000	H4500	H5000	H5000 AIA
Passenger capacity <sup>2</sup>		16/15	20/18	23/21	27/25	27/25	30/28	33/31	33/31
Gurney compliance (24" x 76" or 24" x 84") <sup>5</sup>		76"	76"	84"	84"	84"	84"	84"	84"
Door Types <sup>5</sup>		1SPSS CO	1SPSS CO	1SPSS CO	2SPSS CO	2SPSS 2SPCO	2SPSS 2SPCO	2SPSS 2SPCO	2SPSS 2SPCO
CAR <sup>3</sup>									
<b>CW</b>	Interior width	6' - 9"	6' - 9"	6' - 9"	7' - 9"	5' - 9"	5' - 9"	6' - 0"	5' - 9"
<b>CD</b>	Interior depth	4' - 4"	5' - 0"	5' - 8"	5' - 6"	7' - 5"	8' - 1"	8' - 6"	9' - 0"
	Square footage	29.3	33.8	38.3	42.6	42.6	46.5	51.0	51.8
<b>CH</b>	Interior height <sup>4</sup>	8' - 0" (Optional cab heights up to 10' - 0")							
<b>DO</b>	Car door width	3' - 6"	3' - 6"	3' - 6"	4' - 0"	4' - 0"	4' - 0"	4' - 6"	4' - 0"
HOISTWAY									
<b>HW1</b>	Single hoistway <sup>1</sup>	9' - 10"	9' - 10"	9' - 10"	10' - 10"	8' - 10"	8' - 10"	9' - 1"	8' - 10"
	In seismic zones <sup>1</sup>	10' - 0"	10' - 0"	10' - 0"	11' - 0"	9' - 0"	9' - 0"	9' - 3"	9' - 0"
<b>HW2</b>	Double hoistway <sup>1</sup>	20' - 0"	20' - 0"	20' - 0"	22' - 0"	18' - 0"	18' - 0"	18' - 6"	18' - 0"
	In seismic zones <sup>1</sup>	20' - 4"	20' - 4"	20' - 4"	22' - 4"	18' - 4"	18' - 4"	18' - 10"	18' - 4"
<b>HW3</b>	Triple hoistway <sup>1</sup>	30' - 2"	30' - 2"	30' - 2"	33' - 2"	27' - 2"	27' - 2"	27' - 11"	27' - 2"
	In seismic zones <sup>1</sup>	30' - 8"	30' - 8"	30' - 8"	33' - 8"	27' - 8"	27' - 8"	28' - 5"	27' - 8"
<b>HD</b>	Hoistway depth	6' - 8"	7' - 4"	8' - 0"	8' - 4"	10' - 3"	10' - 11"	11' - 4"	11' - 10"
	In seismic zones	6' - 8"	7' - 4"	8' - 0"	8' - 4"	10' - 3"	10' - 11"	11' - 4"	11' - 10"
<b>RW</b>	Rough opening width (minimum)	4' - 0"	4' - 0"	4' - 0"	4' - 6"	4' - 6"	4' - 6"	5' - 0"	4' - 6"
<b>RH</b>	Rough opening height (minimum)	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"
<b>DH</b>	Clear opening height	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"
<b>OH</b>	Clear overhead for 8' - 0" car @ 150 fpm <sup>4</sup>	17' - 3"	17' - 3"	17' - 8"	17' - 8"	17' - 8"	18' - 1"	18' - 1"	18' - 1"
	@ 200 fpm <sup>4</sup>	17' - 4"	17' - 4"	17' - 9"	17' - 9"	17' - 9"	18' - 2"	18' - 2"	18' - 2"
	@ 350 fpm <sup>4</sup>	18' - 0"	18' - 0"	18' - 6"	18' - 6"	18' - 6"	18' - 9"	18' - 9"	18' - 9"
	@ 500 fpm <sup>4</sup>	19' - 0"	19' - 0"	19' - 6"	19' - 6"	19' - 6"	19' - 9"	19' - 9"	19' - 9"
	<b>PD</b>	Minimum pit depth @ 150 fpm	5' - 0"	5' - 0"	5' - 0"	5' - 3"	5' - 3"	5' - 3"	5' - 3"
	@ 200 fpm	5' - 0"	5' - 0"	5' - 0"	5' - 3"	5' - 3"	5' - 3"	5' - 3"	5' - 3"
	@ 350 fpm	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"
	@ 500 fpm	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"
CONTROL CLOSET/ROOM									
<b>CSD</b>	Control space - single car	HD x 2' - 10" (minimum)							
<b>CRD</b>	Control room - single car	HD x 5' - 0" (minimum)							
<b>CRD</b>	Control room - double car	HD x 7' - 0" (minimum)							
<b>CRD</b>	Control room - triple car	HD x 9' - 0" or W x D							

Some jurisdictions may require special maintenance access considerations.

### NOTES:

<sup>1</sup> For elevators with occupied space below the elevator pit, this dimension will change.

<sup>2</sup> Capacity requirements: US & Canada (see A17.1/B44, Appendix D).

<sup>3</sup> Interior dimensions may vary depending on standard interior finish selections.

<sup>4</sup> For cab heights greater than 8' - 0", add the measurement difference to the **OH** dimension.

350 fpm example: 9' - 0" minus 8' - 0" = 1' - 0" + 17' - 1" = 18' - 1".

All overhead heights are clear under anything in the overhead structure.

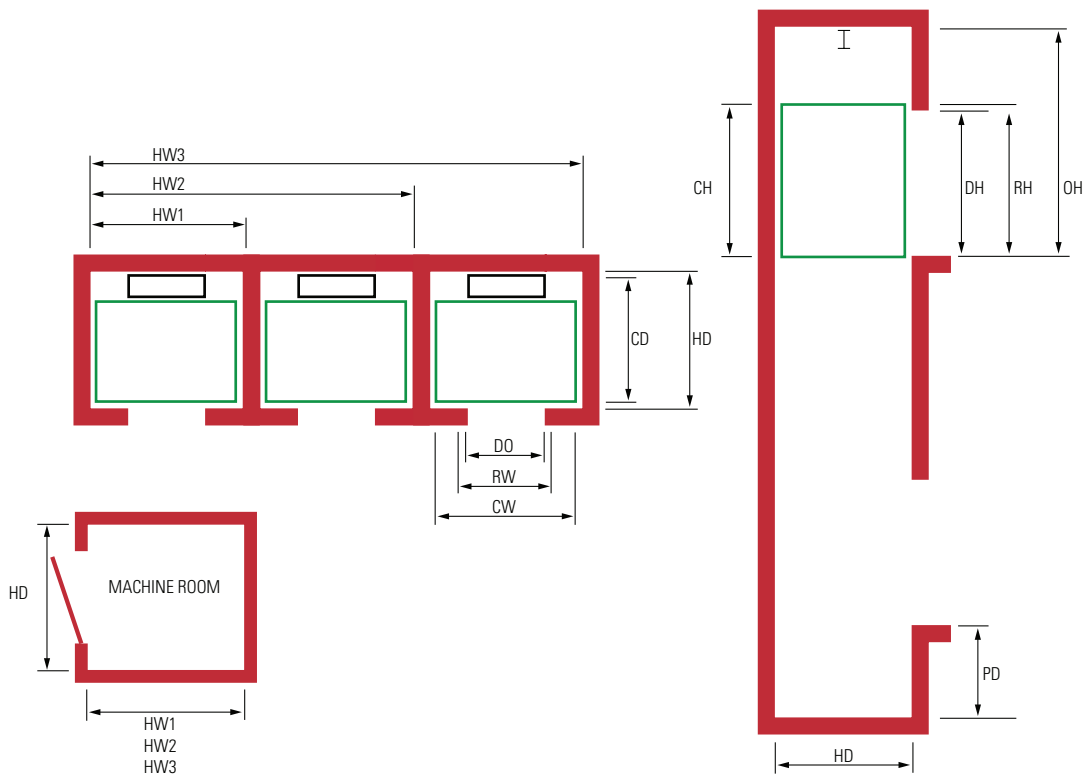
<sup>5</sup> Gurney compliance on passenger cars up to 3500 lbs. capacity must be side slide doors.

Dimensions listed above for multiple hoistways are based on the use of 4" divider beams. If wider divider beams are utilized, a wider clear hoistway will be required.



# FREEDOM<sup>®</sup> MB SERIES

## FRONT OPENING WITH REAR COUNTERWEIGHT



**MAXIMUM TRAVEL:** 250 ft.

**MAXIMUM STOPS:** 32

**SPEED (FT/MIN.):** 150, 200, 350 and 500 fpm

**NOTES:**

- For applications over 100 ft or compensation add 8 inches to pit depth

In addition to Canton's standard applications listed in this planning guide, custom applications are also available from Canton. Consult with your Canton Sales Representative to review your special design requirements.



# FREEDOM<sup>®</sup> MB SERIES

## FRONT OPENING WITH REAR COUNTERWEIGHT

		PASSENGER								
Capacity		2100	2500	3000	3500	4000	H4000	H4500	H5000	H5000 AIA
Passenger capacity <sup>2</sup>		13/12	16/15	20/18	23/21	27/25	27/25	30/28	33/31	33/31
Gurney compliance (24" x 76" or 24" x 84") <sup>5</sup>		N	76"	76"	84"	84"	84"	84"	84"	84"
Door Types <sup>5</sup>		1SPSS	1SPSS CO	1SPSS CO	1SPSS CO	2SPSS CO	2SPSS 2SPCO	2SPSS 2SPCO	2SPSS 2SPCO	2SPSS 2SPCO
<b>CAR<sup>3</sup></b>										
<b>CW</b>	Interior width	5' - 8 1/2"	6' - 8 1/2"	6' - 8 1/2"	6' - 8 1/2"	7' - 8 1/2"	5' - 9"	5' - 9"	6' - 0"	5' - 9"
<b>CD</b>	Interior depth	4' - 3 3/4"	4' - 4"	5' - 0"	5' - 5 1/4"	5' - 5 1/4"	7' - 5"	8' - 1"	8' - 6"	9' - 0"
	Square footage	24.6	29.3	33.5	36.5	41.3	42.7	46.5	51.0	51.8
<b>CH</b>	Interior height <sup>4</sup>	8' - 0" (Optional cab heights up to 10' - 0")								
<b>DO</b>	Car door width	3' - 0"	3' - 6"	3' - 6"	3' - 6"	4' - 0"	4' - 0"	4' - 0"	4' - 6"	4' - 0"
<b>HOISTWAY</b>										
<b>HW1</b>	Single hoistway <sup>1</sup>	7' - 6"	8' - 6"	8' - 6"	8' - 6"	9' - 6"	7' - 7"	7' - 7"	7' - 10"	7' - 7"
	In seismic zones <sup>1</sup>	7' - 8"	8' - 8"	8' - 8"	8' - 8"	9' - 8"	7' - 9"	7' - 9"	8' - 0"	7' - 9"
<b>HW2</b>	Double hoistway <sup>1</sup>	15' - 4"	17' - 4"	17' - 4"	17' - 4"	19' - 4"	15' - 6"	15' - 6"	16' - 0"	15' - 6"
	In seismic zones <sup>1</sup>	15' - 8"	17' - 8"	17' - 8"	17' - 8"	19' - 8"	15' - 10"	15' - 10"	16' - 4"	15' - 10"
<b>HW3</b>	Triple hoistway <sup>1</sup>	23' - 2"	26' - 2"	26' - 2"	26' - 2"	29' - 2"	23' - 5"	23' - 5"	24' - 2"	23' - 5"
	In seismic zones <sup>1</sup>	23' - 8"	26' - 8"	26' - 8"	26' - 8"	29' - 8"	23' - 11"	23' - 11"	24' - 8"	23' - 11"
<b>HD</b>	Hoistway depth	6' - 11"	6' - 11"	7' - 5"	8' - 1"	8' - 1"	10' - 2"	10' - 10"	11' - 3"	11' - 9"
	In seismic zones	6' - 11"	6' - 11"	7' - 5"	8' - 1"	8' - 1"	10' - 2"	10' - 10"	11' - 3"	11' - 9"
<b>RW</b>	Rough opening width (minimum)	3' - 6"	4' - 0"	4' - 0"	4' - 0"	4' - 6"	4' - 6"	4' - 6"	5' - 0"	4' - 0"
<b>RH</b>	Rough opening height (minimum)	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"
<b>DH</b>	Clear opening height	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"
<b>OH</b>	Clear overhead for 8' - 0" car @ 150 fpm <sup>4</sup>	17' - 3"	17' - 3"	17' - 3"	17' - 3"	17' - 9"	18' - 1"	18' - 1"	18' - 1"	18' - 1"
	@ 200 fpm <sup>4</sup>	17' - 4"	17' - 4"	17' - 4"	17' - 4"	17' - 9"	18' - 2"	18' - 2"	18' - 2"	18' - 2"
	@ 350 fpm <sup>4</sup>	18' - 0"	18' - 0"	18' - 0"	18' - 0"	18' - 6"	18' - 9"	18' - 9"	18' - 9"	18' - 9"
	@ 500 fpm <sup>4</sup>	19' - 0"	19' - 0"	19' - 0"	19' - 0"	19' - 6"	19' - 9"	19' - 9"	19' - 9"	19' - 9"
<b>PD</b>	Minimum pit depth @ 150 fpm	5' - 0"	5' - 0"	5' - 0"	5' - 0"	5' - 3"	5' - 3"	5' - 3"	5' - 3"	5' - 3"
	@ 200 fpm	5' - 0"	5' - 0"	5' - 0"	5' - 0"	5' - 3"	5' - 3"	5' - 3"	5' - 3"	5' - 3"
	@ 350 fpm	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"
	@ 500 fpm	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"
<b>CONTROL CLOSET/ROOM</b>										
<b>CSD</b>	Control space - single car					HD x 2' - 10" (minimum)				
<b>CRD</b>	Control room - single car					HD x 5' - 0" (minimum)				
<b>CRD</b>	Control room - double car					HD x 7' - 0" (minimum)				
<b>CRD</b>	Control room - triple car					HD x 9' - 0" or W x D				

Some jurisdictions may require special maintenance access considerations.

### NOTES:

<sup>1</sup> For elevators with occupied space below the elevator pit, this dimension will change.

<sup>2</sup> Capacity requirements: US & Canada (see A17.1/B44, Appendix D).

<sup>3</sup> Interior dimensions may vary depending on standard interior finish selections.

<sup>4</sup> For cab heights greater than 8' - 0", add the measurement difference to the **OH** dimension.

350 fpm example: 9' - 0" minus 8' - 0" = 1' - 0" + 17' - 1" = 18' - 1".

All overhead heights are clear under anything in the overhead structure.

<sup>5</sup> Gurney compliance on passenger cars up to 3500 lbs. capacity must be side slide doors.

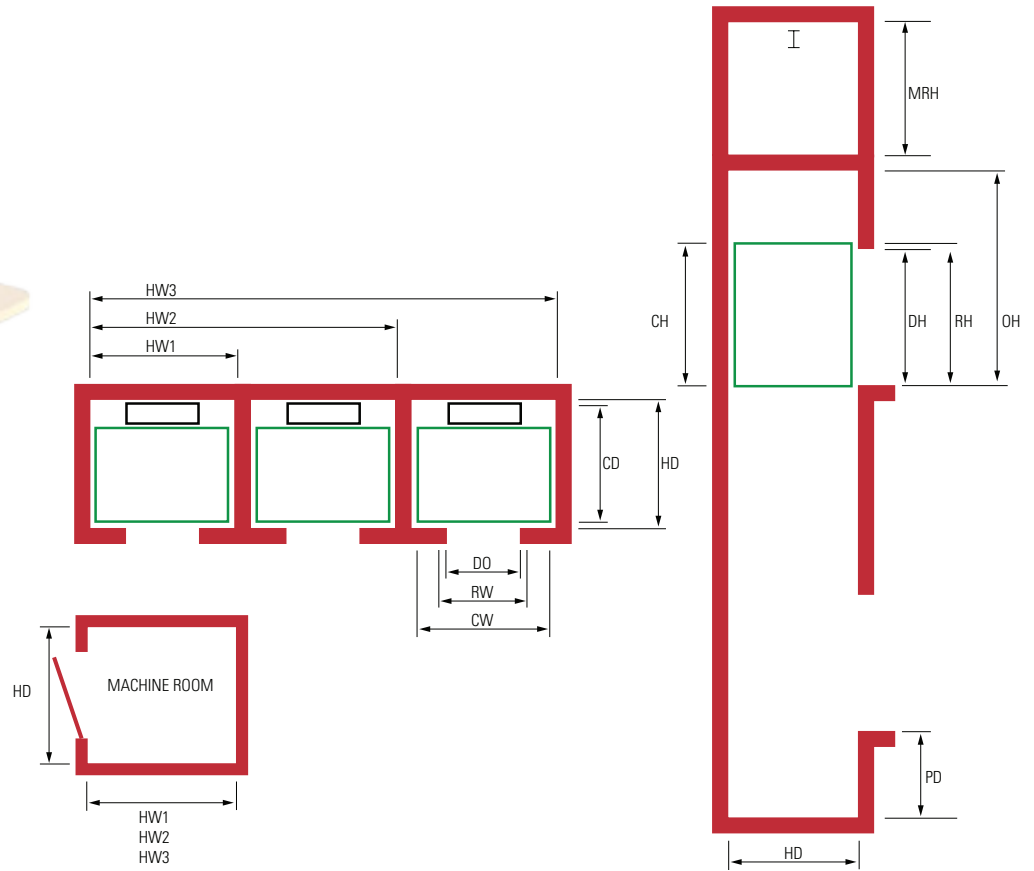
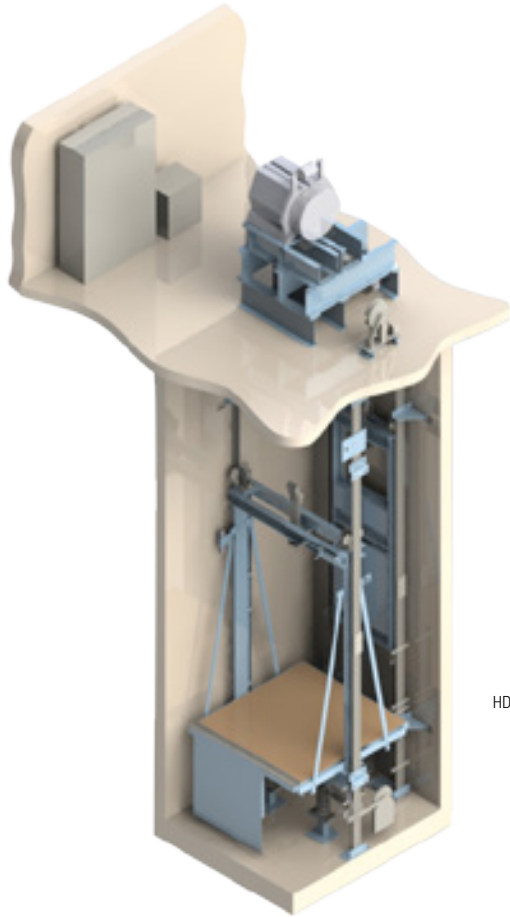
Dimensions listed above for multiple hoistways are based on the use of 4" divider beams. If wider divider beams are utilized, a wider clear hoistway will be required.



# FREEDOM<sup>®</sup> MACHINE ROOM

## ACPM GEARLESS AND GEARED OVERHEAD TRACTION

### 1:1 FRONT OPENING WITH REAR COUNTERWEIGHT



**MAXIMUM TRAVEL:** 300 ft.

**MAXIMUM STOPS:** 32

**SPEED (FT/MIN.):** 150, 200, 350, 500 and 700 fpm

**NOTES:**

- For applications over 100 ft or compensation add 8 inches to pit depth

In addition to Canton's standard applications listed in this planning guide, custom applications are also available from Canton. Consult with your Canton Sales Representative to review your special design requirements.



Made in U.S.A.

# FREEDOM<sup>®</sup> MACHINE ROOM

## ACPM GEARLESS AND GEARED OVERHEAD TRACTION

### 1:1 FRONT OPENING

		PASSENGER					HOSPITAL			
Capacity		2100	2500	3000	3500	4000	H4000	H4500	H5000	H5000 AIA
Passenger capacity <sup>2</sup>		13/12	16/15	20/18	23/21	27/25	27/25	30/28	33/31	33/31
Gurney compliance (24" x 76" or 24" x 84") <sup>5</sup>		N	76"	76"	84"	84"	84"	84"	84"	84"
Door Types <sup>5</sup>		1SPSS	1SPSS CO	1SPSS CO	1SPSS CO	2SPSS CO	2SPSS 2SPCO	2SPSS 2SPCO	2SPSS 2SPCO	2SPSS 2SPCO
<b>CAR<sup>3</sup></b>										
<b>CW</b>	Interior width	5' - 8"	6' - 9"	6' - 9"	6' - 9"	7' - 9"	5' - 9"	5' - 9"	6' - 0"	5' - 9"
<b>CD</b>	Interior depth	4' - 6"	4' - 4"	5' - 0"	5' - 8"	5' - 6"	7' - 5"	8' - 1"	8' - 6"	9' - 0"
	Square footage	25.5	29.3	33.8	38.3	42.6	42.6	46.5	51.0	51.8
<b>CW</b>	Interior height <sup>4</sup>	8' - 0" (Optional cab heights up to 10' - 0")					8' - 0" (Optional cab heights up to 10' - 0")			
<b>CD</b>	Car door width	3' - 0"	3' - 6"	3' - 6"	3' - 6"	4' - 0"	4' - 0"	4' - 0"	4' - 6"	4' - 0"
<b>HOISTWAY</b>										
<b>HW1</b>	Single hoistway <sup>1</sup>	8' - 9"	9' - 10"	9' - 10"	9' - 10"	10' - 10"	8' - 10"	8' - 10"	9' - 1"	8' - 10"
	In seismic zones <sup>1</sup>	8' - 11"	10' - 0"	10' - 0"	10' - 0"	11' - 0"	9' - 0"	9' - 0"	9' - 3"	9' - 0"
<b>HW2</b>	Double hoistway <sup>1</sup>	17' - 10"	20' - 0"	20' - 0"	20' - 0"	22' - 0"	18' - 0"	18' - 0"	18' - 6"	18' - 0"
	In seismic zones <sup>1</sup>	18' - 2"	20' - 4"	20' - 4"	20' - 4"	22' - 4"	18' - 4"	18' - 4"	18' - 10"	18' - 4"
<b>HW3</b>	Triple hoistway <sup>1</sup>	26' - 11"	30' - 2"	30' - 2"	30' - 2"	33' - 2"	27' - 2"	27' - 2"	27' - 11"	27' - 2"
	In seismic zones <sup>1</sup>	27' - 5"	30' - 8"	30' - 8"	30' - 8"	33' - 8"	27' - 8"	27' - 8"	28' - 5"	27' - 8"
<b>HD</b>	Hoistway depth	6' - 7 1/2"	6' - 7 1/2"	7' - 11 1/2"	7' - 10"	7' - 10"	9' - 5"	9' - 11"	10' - 6"	11' - 0"
	In seismic zones	6' - 7 1/2"	6' - 7 1/2"	7' - 11 1/2"	7' - 10"	7' - 10"	9' - 5"	9' - 11"	10' - 6"	11' - 0"
<b>RW</b>	Rough opening width (minimum)	3' - 6"	4' - 0"	4' - 0"	4' - 0"	4' - 6"	4' - 6"	4' - 6"	5' - 0"	4' - 6"
<b>RH</b>	Rough opening height (minimum)	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"
<b>DH</b>	Clear opening height	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"
<b>OH</b>	Clear overhead for 8' - 0" car @ 150 fpm <sup>4</sup>	12' - 10"	12' - 10"	12' - 10"	12' - 10"	13' - 1"	13' - 1"	13' - 1"	13' - 1"	13' - 1"
	@ 200 fpm <sup>4</sup>	12' - 11"	12' - 11"	12' - 11"	12' - 11"	13' - 2"	13' - 2"	13' - 2"	13' - 2"	13' - 2"
	@ 350 fpm <sup>4</sup>	13' - 7"	13' - 7"	13' - 7"	13' - 7"	13' - 7"	13' - 7"	13' - 7"	13' - 7"	13' - 7"
	@ 500 fpm <sup>4</sup>	14' - 8"	14' - 8"	14' - 8"	14' - 8"	14' - 8"	14' - 8"	14' - 8"	14' - 8"	14' - 8"
	@ 700 fpm	16' - 11"	16' - 11"	16' - 11"	16' - 11"	16' - 11"	16' - 11"	16' - 11"	16' - 11"	16' - 11"
<b>PD</b>	Minimum pit depth @ 150 fpm	5' - 0"	5' - 0"	5' - 0"	5' - 0"	5' - 3"	5' - 3"	5' - 3"	5' - 3"	5' - 3"
	@ 200 fpm	5' - 0"	5' - 0"	5' - 0"	5' - 0"	5' - 3"	5' - 3"	5' - 3"	5' - 3"	5' - 3"
	@ 350 fpm	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"
	@ 500 fpm	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"
	@ 700 fpm	8' - 11"	8' - 11"	8' - 11"	8' - 11"	8' - 11"	8' - 11"	8' - 11"	8' - 11"	8' - 11"
<b>MACHINE ROOM</b>										
	Overhead Machine Room - single car	HD x HW1 (minimum)					HD x HW1 (minimum)			
	Overhead Machine Room - double car	HD x HW2 (minimum)					HD x HW2 (minimum)			
	Overhead Machine Room - triple car	HD x HW3 (minimum)					HD X HD x HW3 (minimum)			
<b>MRH</b>	Machine room height (minimum)	8' - 0"	8' - 0"	8' - 0"	8' - 0"	8' - 0"	8' - 0"	8' - 0"	8' - 0"	8' - 0"

Some jurisdictions may require special maintenance access considerations.

#### NOTES:

<sup>1</sup> For elevators with occupied space below the elevator pit, this dimension will change.

<sup>2</sup> Capacity requirements: US & Canada (see A17.1/B44, Appendix D).

<sup>3</sup> Interior dimensions may vary depending on standard interior finish selections.

<sup>4</sup> For cab heights greater than 8' - 0", add the measurement difference to the **OH** dimension.  
350 fpm example: 9' - 0" minus 8' - 0" = 1' - 0" + 17' - 1" = 18' - 1".

All overhead heights are clear under anything in the overhead structure.

<sup>5</sup> Gurney compliance on passenger cars up to 3500 lbs. capacity must be side slide doors.

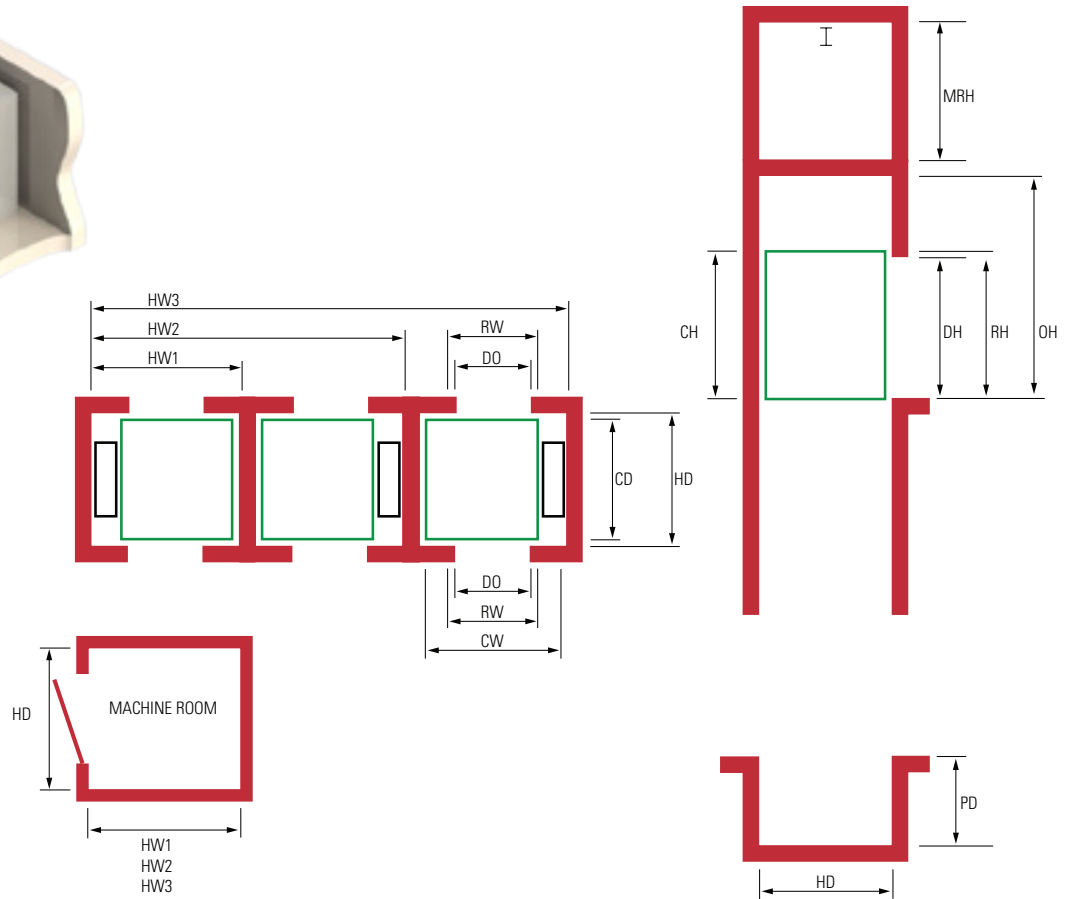
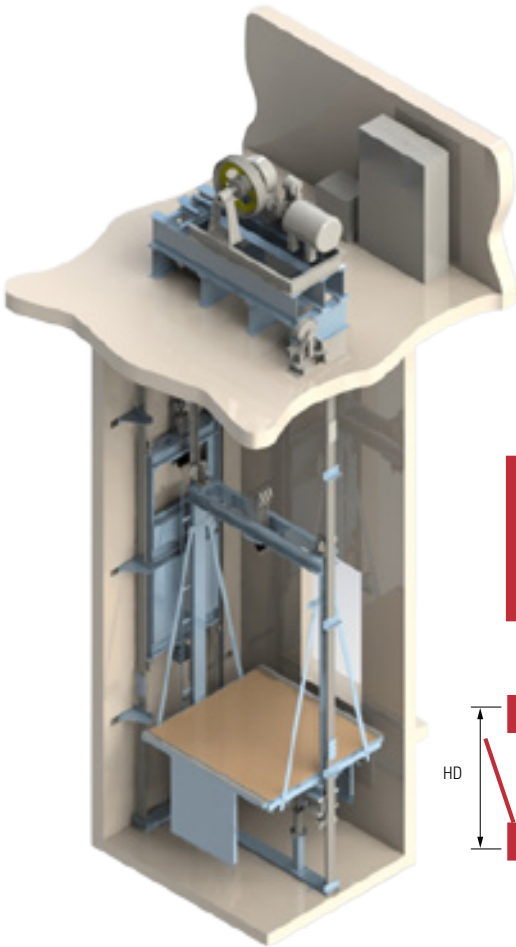
Dimensions listed above for multiple hoistways are based on the use of 4" divider beams. If wider divider beams are utilized, a wider clear hoistway will be required.



# FREEDOM<sup>®</sup> MACHINE ROOM

## ACPM GEARLESS AND GEARED OVERHEAD TRACTION

### 1:1 FRONT AND REAR OPENING



**MAXIMUM TRAVEL:** 300 ft.

**MAXIMUM STOPS:** 32

**SPEED (FT/MIN.):** 150, 200, 350, 500 and 700 fpm

**NOTES:**

- For applications over 100 ft or compensation add 8 inches to pit depth

In addition to Canton's standard applications listed in this planning guide, custom applications are also available from Canton. Consult with your Canton Sales Representative to review your special design requirements.





# FREEDOM<sup>®</sup> MACHINE ROOM

## ACPM GEARLESS AND GEARED OVERHEAD TRACTION

### 1:1 FRONT AND REAR OPENING

		PASSENGER				HOSPITAL			
Capacity		2500	3000	3500	4000	H4000	H4500	H5000	H5000 AIA
Passenger capacity <sup>2</sup>		16/15	20/18	23/21	27/25	27/25	30/28	33/31	33/31
Gurney compliance (24" x 76" or 24" x 84") <sup>5</sup>		76"	76"	84"	84"	84"	84"	84"	84"
Door Types <sup>5</sup>		1SPSS CO	1SPSS CO	1SPSS CO	2SPSS CO	2SPSS 2SPCO	2SPSS 2SPCO	2SPSS 2SPCO	2SPSS 2SPCO
<b>CAR<sup>3</sup></b>									
<b>CW</b>	Interior width	6' - 9"	6' - 9"	6' - 9"	7' - 9"	5' - 9"	5' - 9"	6' - 0"	5' - 9"
<b>CD</b>	Interior depth	4' - 4"	5' - 0"	5' - 8"	5' - 6"	7' - 5"	8' - 1"	8' - 6"	9' - 0"
	Square footage	29.3	33.8	38.3	42.6	42.6	46.5	51.0	51.8
<b>CW</b>	Interior height <sup>4</sup>	8' - 0" (Optional cab heights up to 10' - 0")				8' - 0" (Optional cab heights up to 10' - 0")			
<b>CD</b>	Car door width	3' - 6"	3' - 6"	3' - 6"	4' - 0"	4' - 0"	4' - 0"	4' - 6"	4' - 0"
<b>HOISTWAY</b>									
<b>HW1</b>	Single hoistway <sup>1</sup>	9' - 10"	9' - 10"	9' - 10"	10' - 10"	8' - 10"	8' - 10"	9' - 1"	8' - 10"
	In seismic zones <sup>1</sup>	10' - 0"	10' - 0"	10' - 0"	11' - 0"	9' - 0"	9' - 0"	9' - 3"	9' - 0"
<b>HW2</b>	Double hoistway <sup>1</sup>	20' - 0"	20' - 0"	20' - 0"	22' - 0"	18' - 0"	18' - 0"	18' - 6"	18' - 0"
	In seismic zones <sup>1</sup>	20' - 4"	20' - 4"	20' - 4"	22' - 4"	18' - 4"	18' - 4"	18' - 10"	18' - 4"
<b>HW3</b>	Triple hoistway <sup>1</sup>	30' - 2"	30' - 2"	30' - 2"	33' - 2"	27' - 2"	27' - 2"	27' - 11"	27' - 2"
	In seismic zones <sup>1</sup>	30' - 8"	30' - 8"	30' - 8"	33' - 8"	27' - 8"	27' - 8"	28' - 5"	27' - 8"
<b>HD</b>	Hoistway depth	6' - 8"	7' - 4"	8' - 0"	8' - 4"	10' - 3"	10' - 11"	11' - 4"	11' - 10"
	In seismic zones	6' - 8"	7' - 4"	8' - 0"	8' - 4"	10' - 3"	10' - 11"	11' - 4"	11' - 10"
<b>RW</b>	Rough opening width (minimum)	4' - 0"	4' - 0"	4' - 0"	4' - 6"	4' - 6"	4' - 6"	5' - 0"	4' - 6"
<b>RH</b>	Rough opening height (minimum)	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"
<b>DH</b>	Clear opening height	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"
<b>OH</b>	Clear overhead for 8' - 0" car @ 150 fpm <sup>4</sup>	12' - 10"	12' - 10"	12' - 10"	13' - 1"	13' - 1"	13' - 1"	13' - 1"	13' - 1"
	@ 200 fpm <sup>4</sup>	12' - 11"	12' - 11"	12' - 11"	13' - 2"	13' - 2"	13' - 2"	13' - 2"	13' - 2"
	@ 350 fpm <sup>4</sup>	13' - 7"	13' - 7"	13' - 7"	13' - 7"	13' - 7"	13' - 7"	13' - 7"	13' - 7"
	@ 500 fpm <sup>4</sup>	14' - 8"	14' - 8"	14' - 8"	14' - 8"	14' - 8"	14' - 8"	14' - 8"	14' - 8"
	@ 700 fpm	16' - 11"	16' - 11"	16' - 11"	16' - 11"	16' - 11"	16' - 11"	16' - 11"	16' - 11"
<b>PD</b>	Minimum pit depth @ 150 fpm	5' - 0"	5' - 0"	5' - 0"	5' - 3"	5' - 3"	5' - 3"	5' - 3"	5' - 3"
	@ 200 fpm	5' - 0"	5' - 0"	5' - 0"	5' - 3"	5' - 3"	5' - 3"	5' - 3"	5' - 3"
	@ 350 fpm	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"
	@ 500 fpm	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"
	@ 700 fpm	8' - 11"	8' - 11"	8' - 11"	8' - 11"	8' - 11"	8' - 11"	8' - 11"	8' - 11"
<b>MACHINE ROOM</b>									
	Overhead Machine Room - single car	HD x HW1 (minimum)				HD x HW1 (minimum)			
	Overhead Machine Room - double car	HD x HW2 (minimum)				HD x HW2 (minimum)			
	Overhead Machine Room - triple car	HD x HW3 (minimum)				HD x HW3 (minimum)			
<b>MRH</b>	Machine room height (minimum)	8' - 0"	8' - 0"	8' - 0"	8' - 0"	8' - 0"	8' - 0"	8' - 0"	8' - 0"

Please contact Canton to confirm these dimensions.

#### NOTES:

<sup>1</sup> For elevators with occupied space below the elevator pit, this dimension will change.

<sup>2</sup> Capacity requirements: US & Canada (see A17.1/B44, Appendix D).

<sup>3</sup> Interior dimensions may vary depending on standard interior finish selections.

<sup>4</sup> For cab heights greater than 8' - 0", add the measurement difference to the **OH** dimension.

350 fpm example: 9' - 0" minus 8' - 0" = 1' - 0" + 17' - 1" = 18' - 1". All overhead heights are clear under anything in the overhead structure.

<sup>5</sup> Gurney compliance on passenger cars up to 3500 lbs. capacity must be side slide doors.

Dimensions listed above for multiple hoistways are based on the use of 4" divider beams. If wider divider beams are utilized, a wider clear hoistway will be required.

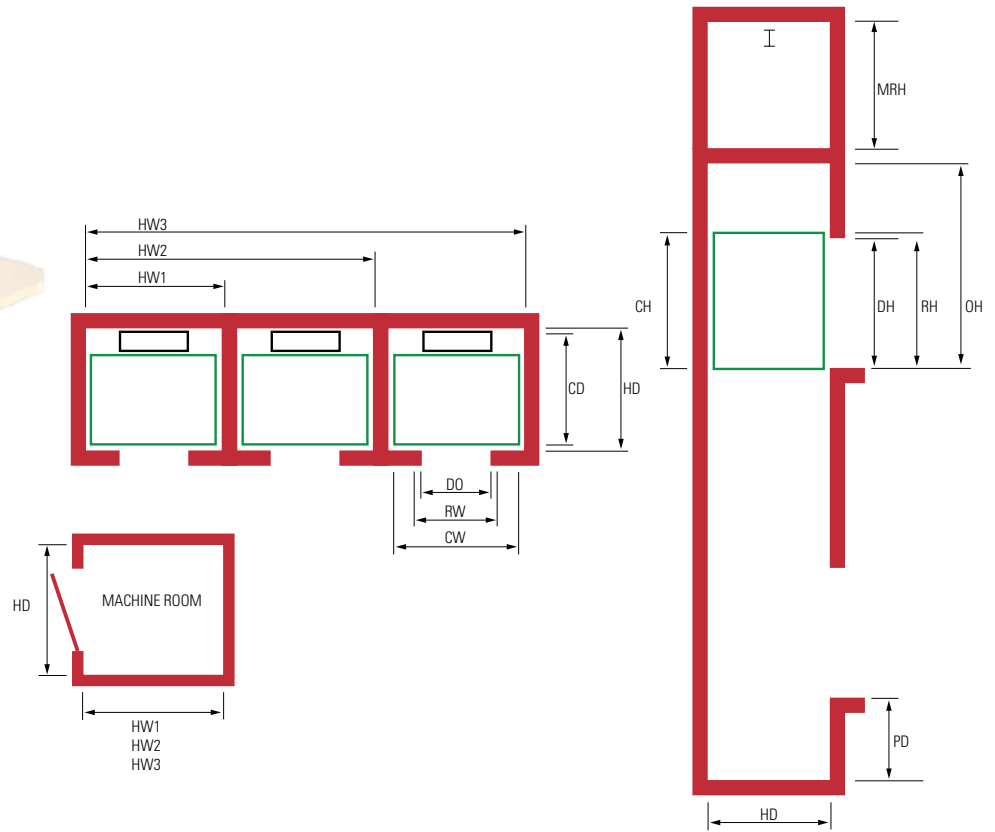
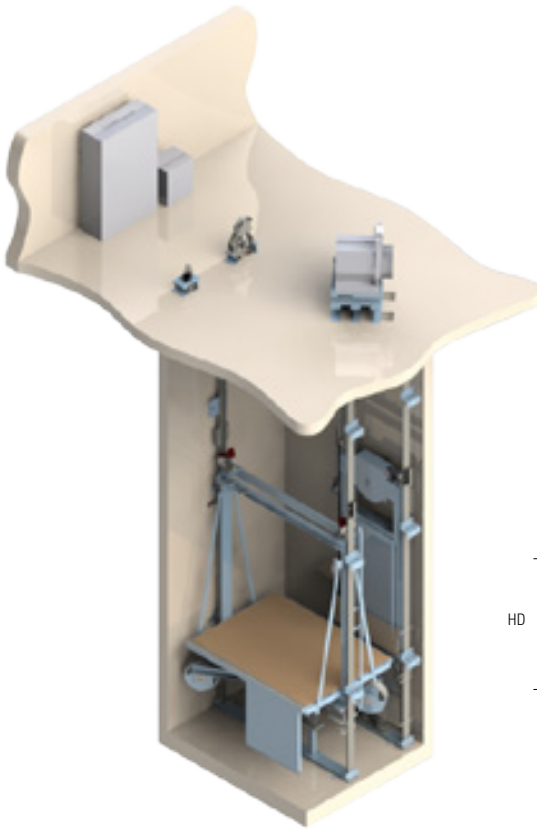
**Reduced Overhead Option** - Alternate methods for reducing overhead are now available depending on the application. Please contact your sales professional via one of the methods listed on this catalog for options.



# FREEDOM<sup>®</sup> MACHINE ROOM

## ACPM GEARLESS AND GEARED OVERHEAD TRACTION

### 2:1 FRONT OPENING W/ REAR COUNTERWEIGHT



**MAXIMUM TRAVEL:** 300 ft.

**MAXIMUM STOPS:** 32

**SPEED (FT/MIN.):** 150, 200, 350, 500 and 700 fpm

**NOTES:**

- Also available in side counterweight configuration.
- For applications over 100 ft or compensation add 8 inches to pit depth

In addition to Canton's standard applications listed in this planning guide, custom applications are also available from Canton. Consult with your Canton Sales Representative to review your special design requirements.



# FREEDOM<sup>®</sup> MACHINE ROOM

## ACPM GEARLESS AND GEARED OVERHEAD TRACTION

### 2:1 FRONT OPENING W/ REAR COUNTERWEIGHT

		PASSENGER					HOSPITAL			
Capacity		2100	2500	3000	3500	4000	H4000	H4500	H5000	H5000 AIA
Passenger capacity <sup>2</sup>		13/12	16/15	20/18	23/21	27/25	27/25	30/28	33/31	33/31
Gurney compliance (24" x 76" or 24" x 84") <sup>5</sup>		N	76"	76"	84"	84"	84"	84"	84"	84"
Door Types <sup>5</sup>		1SPSS	1SPSS CO	1SPSS CO	1SPSS CO	2SPSS CO	2SPSS 2SPCO	2SPSS 2SPCO	2SPSS 2SPCO	2SPSS 2SPCO
<b>CAR<sup>3</sup></b>										
<b>CW</b>	Interior width	5' - 8"	6' - 9"	6' - 9"	6' - 9"	7' - 9"	5' - 9"	5' - 9"	6' - 0"	5' - 9"
<b>CD</b>	Interior depth	4' - 6"	4' - 4"	5' - 0"	5' - 8"	5' - 6"	7' - 5"	8' - 1"	8' - 6"	9' - 0"
	Square footage	25.5	29.3	33.8	38.3	42.6	42.6	46.5	51.0	51.8
<b>CW</b>	Interior height <sup>4</sup>	8' - 0" (Optional cab heights up to 10' - 0")					8' - 0" (Optional cab heights up to 10' - 0")			
<b>CD</b>	Car door width	3' - 0"	3' - 6"	3' - 6"	3' - 6"	4' - 0"	4' - 0"	4' - 0"	4' - 6"	4' - 0"
<b>HOISTWAY</b>										
<b>HW1</b>	Single hoistway <sup>1</sup>	8' - 9"	9' - 10"	9' - 10"	9' - 10"	10' - 10"	8' - 10"	8' - 10"	9' - 1"	8' - 10"
	In seismic zones <sup>1</sup>	8' - 11"	10' - 0"	10' - 0"	10' - 0"	11' - 0"	9' - 0"	9' - 0"	9' - 3"	9' - 0"
<b>HW2</b>	Double hoistway <sup>1</sup>	17' - 10"	20' - 0"	20' - 0"	20' - 0"	22' - 0"	18' - 0"	18' - 0"	18' - 6"	18' - 0"
	In seismic zones <sup>1</sup>	18' - 2"	20' - 4"	20' - 4"	20' - 4"	22' - 4"	18' - 4"	18' - 4"	18' - 10"	18' - 4"
<b>HW3</b>	Triple hoistway <sup>1</sup>	26' - 11"	30' - 2"	30' - 2"	30' - 2"	33' - 2"	27' - 2"	27' - 2"	27' - 11"	27' - 2"
	In seismic zones <sup>1</sup>	27' - 5"	30' - 8"	30' - 8"	30' - 8"	33' - 8"	27' - 8"	27' - 8"	28' - 5"	27' - 8"
<b>HD</b>	Hoistway depth	6' - 7 1/2"	6' - 7 1/2"	7' - 1 1/2"	7' - 10"	7' - 10"	9' - 5"	9' - 11"	10' - 6"	11' - 0"
	In seismic zones	6' - 7 1/2"	6' - 7 1/2"	7' - 1 1/2"	7' - 10"	7' - 10"	9' - 5"	9' - 11"	10' - 6"	11' - 0"
<b>RW</b>	Rough opening width (minimum)	3' - 6"	4' - 0"	4' - 0"	4' - 0"	4' - 6"	4' - 6"	4' - 6"	5' - 0"	4' - 6"
<b>RH</b>	Rough opening height (minimum)	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"
<b>DH</b>	Clear opening height	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"
<b>OH</b>	Clear overhead for 8' - 0" car @ 150 fpm <sup>4</sup>	12' - 10"	12' - 10"	12' - 10"	12' - 10"	13' - 1"	13' - 1"	13' - 1"	13' - 1"	13' - 1"
	@ 200 fpm <sup>4</sup>	12' - 11"	12' - 11"	12' - 11"	12' - 11"	13' - 2"	13' - 2"	13' - 2"	13' - 2"	13' - 2"
	@ 350 fpm <sup>4</sup>	13' - 7"	13' - 7"	13' - 7"	13' - 7"	13' - 7"	13' - 7"	13' - 7"	13' - 7"	13' - 7"
	@ 500 fpm <sup>4</sup>	14' - 8"	14' - 8"	14' - 8"	14' - 8"	14' - 8"	14' - 8"	14' - 8"	14' - 8"	14' - 8"
	@ 700 fpm	16' - 11"	16' - 11"	16' - 11"	16' - 11"	16' - 11"	16' - 11"	16' - 11"	16' - 11"	16' - 11"
<b>PD</b>	Minimum pit depth @ 150 fpm	5' - 0"	5' - 0"	5' - 0"	5' - 0"	5' - 3"	5' - 3"	5' - 3"	5' - 3"	5' - 3"
	@ 200 fpm	5' - 0"	5' - 0"	5' - 0"	5' - 0"	5' - 3"	5' - 3"	5' - 3"	5' - 3"	5' - 3"
	@ 350 fpm	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"
	@ 500 fpm	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"
	@ 700 fpm	8' - 11"	8' - 11"	8' - 11"	8' - 11"	8' - 11"	8' - 11"	8' - 11"	8' - 11"	8' - 11"
<b>MACHINE ROOM</b>										
	Overhead Machine Room - single car	HD x HW1 (minimum)					HD x HW1 (minimum)			
	Overhead Machine Room - double car	HD x HW2 (minimum)					HD x HW2 (minimum)			
	Overhead Machine Room - triple car	HD x HW3 (minimum)					HD x HW3 (minimum)			
<b>MRH</b>	Machine Room Height (minimum)	8' - 0"	8' - 0"	8' - 0"	8' - 0"	8' - 0"	8' - 0"	8' - 0"	8' - 0"	8' - 0"

Please contact Canton to confirm these dimensions.

#### NOTES:

- <sup>1</sup> For elevators with occupied space below the elevator pit, this dimension will change.
- <sup>2</sup> Capacity requirements: US & Canada (see A17.1/B44, Appendix D).
- <sup>3</sup> Interior dimensions may vary depending on standard interior finish selections.
- <sup>4</sup> For cab heights greater than 8' - 0", add the measurement difference to the **OH** dimension.  
350 fpm example: 9' - 0" minus 8' - 0" = 1' - 0" + 17' - 1" = 18' - 1".  
All overhead heights are clear under anything in the overhead structure.
- <sup>5</sup> Gurney compliance on passenger cars up to 3500 lbs. capacity must be side slide doors.

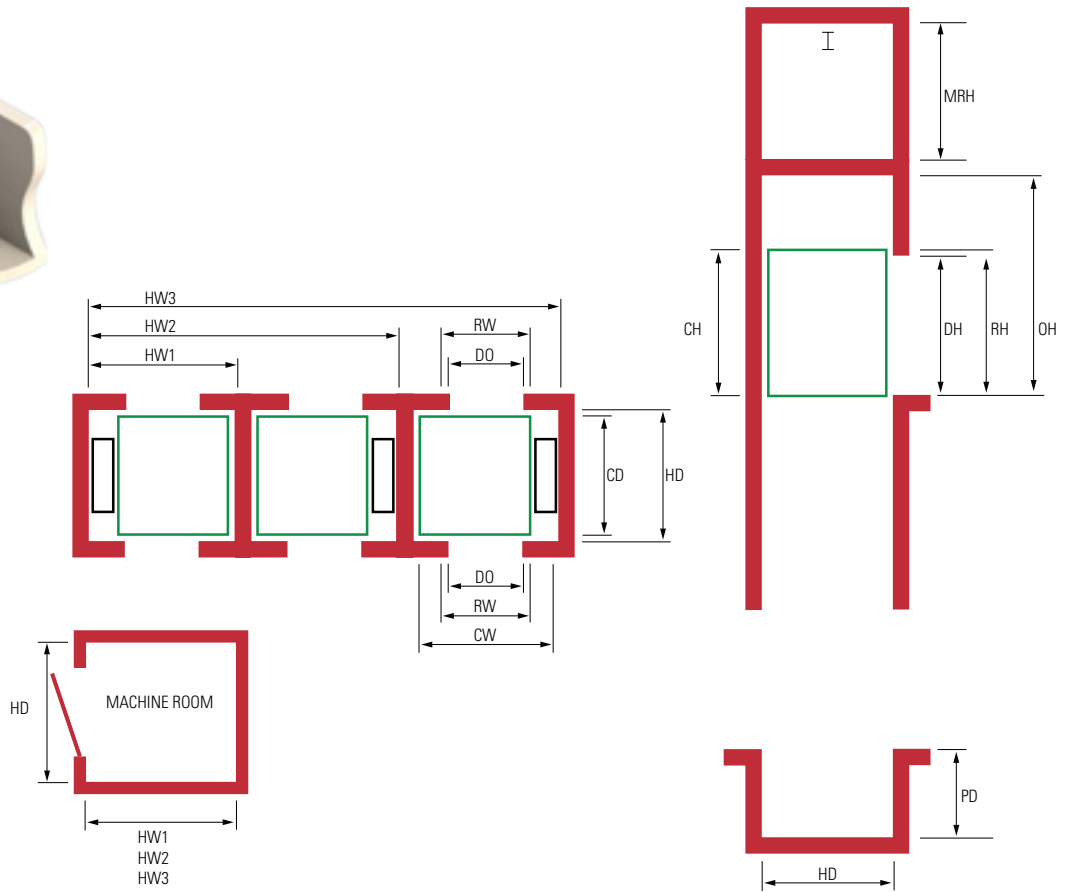
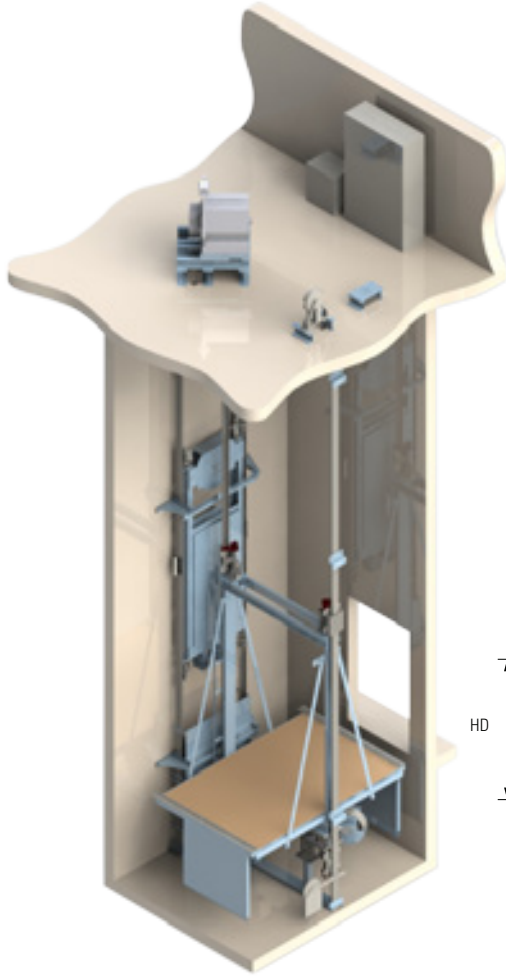
Dimensions listed above for multiple hoistways are based on the use of 4" divider beams. If wider divider beams are utilized, a wider clear hoistway will be required.



# FREEDOM<sup>®</sup> MACHINE ROOM

## ACPM GEARLESS AND GEARED OVERHEAD TRACTION

### 2:1 FRONT AND REAR OPENING



**MAXIMUM TRAVEL:** 300 ft.

**MAXIMUM STOPS:** 32

**SPEED (FT/MIN.):** 150, 200, 350, 500 and 700 fpm

**NOTES:**

- For applications over 100 ft or compensation add 8 inches to pit depth

In addition to Canton's standard applications listed in this planning guide, custom applications are also available from Canton. Consult with your Canton Sales Representative to review your special design requirements.



# FREEDOM<sup>®</sup> MACHINE ROOM

## ACPM GEARLESS AND GEARED OVERHEAD TRACTION

### 2:1 FRONT AND REAR OPENING

		PASSENGER				HOSPITAL			
Capacity		2500	3000	3500	4000	H4000	H4500	H5000	H5000 AIA
Passenger capacity <sup>2</sup>		16/15	20/18	23/21	27/25	27/25	30/28	33/31	33/31
Gurney compliance (24" x 76" or 24" x 84") <sup>5</sup>		76"	76"	84"	84"	84"	84"	84"	84"
Door Types <sup>5</sup>		1SPSS CO	1SPSS CO	1SPSS CO	2SPSS CO	2SPSS 2SPCO	2SPSS 2SPCO	2SPSS 2SPCO	2SPSS 2SPCO
<b>CAR<sup>3</sup></b>									
<b>CW</b>	Interior width	6' - 9"	6' - 9"	6' - 9"	7' - 9"	5' - 9"	5' - 9"	6' - 0"	5' - 9"
<b>CD</b>	Interior depth	4' - 4"	5' - 0"	5' - 8"	5' - 6"	7' - 5"	8' - 1"	8' - 6"	9' - 0"
	Square footage	29.3	33.8	38.3	42.6	42.6	46.5	51.0	51.8
<b>CW</b>	Interior height <sup>4</sup>	8' - 0" (Optional cab heights up to 10' - 0")				8' - 0" (Optional cab heights up to 10' - 0")			
<b>CD</b>	Car door width	3' - 6"	3' - 6"	3' - 6"	4' - 0"	4' - 0"	4' - 0"	4' - 6"	4' - 0"
<b>HOISTWAY</b>									
<b>HW1</b>	Single hoistway <sup>1</sup>	9' - 10"	9' - 10"	9' - 10"	10' - 10"	8' - 10"	8' - 10"	9' - 1"	8' - 10"
	In seismic zones <sup>1</sup>	10' - 0"	10' - 0"	10' - 0"	11' - 0"	9' - 0"	9' - 0"	9' - 3"	9' - 0"
<b>HW2</b>	Double hoistway <sup>1</sup>	20' - 0"	20' - 0"	20' - 0"	22' - 0"	18' - 0"	18' - 0"	18' - 6"	18' - 0"
	In seismic zones <sup>1</sup>	20' - 4"	20' - 4"	20' - 4"	22' - 4"	18' - 4"	18' - 4"	18' - 10"	18' - 4"
<b>HW3</b>	Triple hoistway <sup>1</sup>	30' - 2"	30' - 2"	30' - 2"	33' - 2"	27' - 2"	27' - 2"	27' - 11"	27' - 2"
	In seismic zones <sup>1</sup>	30' - 8"	30' - 8"	30' - 8"	33' - 8"	27' - 8"	27' - 8"	28' - 5"	27' - 8"
<b>HD</b>	Hoistway depth	6' - 8"	7' - 4"	8' - 0"	8' - 4"	10' - 3"	10' - 11"	11' - 4"	11' - 10"
	In seismic zones	6' - 8"	7' - 4"	8' - 0"	8' - 4"	10' - 3"	10' - 11"	11' - 4"	11' - 10"
<b>RW</b>	Rough opening width (minimum)	4' - 0"	4' - 0"	4' - 0"	4' - 6"	4' - 6"	4' - 6"	5' - 0"	4' - 6"
<b>RH</b>	Rough opening height (minimum)	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"	7' - 3"
<b>DH</b>	Clear opening height	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"	7' - 0"
<b>OH</b>	Clear overhead for 8' - 0" car @ 150 fpm <sup>4</sup>	12' - 10"	12' - 10"	12' - 10"	13' - 1"	13' - 1"	13' - 1"	13' - 1"	13' - 1"
	@ 200 fpm <sup>4</sup>	12' - 11"	12' - 11"	12' - 11"	13' - 2"	13' - 2"	13' - 2"	13' - 2"	13' - 2"
	@ 350 fpm <sup>4</sup>	13' - 7"	13' - 7"	13' - 7"	13' - 7"	13' - 7"	13' - 7"	13' - 7"	13' - 7"
	@ 500 fpm <sup>4</sup>	14' - 8"	14' - 8"	14' - 8"	14' - 8"	14' - 8"	14' - 8"	14' - 8"	14' - 8"
	@ 700 fpm	16' - 11"	16' - 11"	16' - 11"	16' - 11"	16' - 11"	16' - 11"	16' - 11"	16' - 11"
<b>PD</b>	Minimum pit depth @ 150 fpm	5' - 0"	5' - 0"	5' - 0"	5' - 3"	5' - 3"	5' - 3"	5' - 3"	5' - 3"
	@ 200 fpm	5' - 0"	5' - 0"	5' - 0"	5' - 3"	5' - 3"	5' - 3"	5' - 3"	5' - 3"
	@ 350 fpm	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"	5' - 6"
	@ 500 fpm	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"	6' - 4"
	@ 700 fpm	8' - 11"	8' - 11"	8' - 11"	8' - 11"	8' - 11"	8' - 11"	8' - 11"	8' - 11"
<b>MACHINE ROOM</b>									
	Overhead Machine Room - single car	HD x HW1 (minimum)				HD x HW1 (minimum)			
	Overhead Machine Room - double car	HD x HW2 (minimum)				HD x HW2 (minimum)			
	Overhead Machine Room - triple car	HD x HW3 (minimum)				HD x HW3 (minimum)			
<b>MRH</b>	Machine Room Height (minimum)	8' - 0"	8' - 0"	8' - 0"	8' - 0"	8' - 0"	8' - 0"	8' - 0"	8' - 0"

Please contact Canton to confirm these dimensions.

#### NOTES:

<sup>1</sup> For elevators with occupied space below the elevator pit, this dimension will change.

<sup>2</sup> Capacity requirements: US & Canada (see A17.1/B44, Appendix D).

<sup>3</sup> Interior dimensions may vary depending on standard interior finish selections.

<sup>4</sup> For cab heights greater than 8' - 0", add the measurement difference to the **OH** dimension.

350 fpm example: 9' - 0" minus 8' - 0" = 1' - 0" + 17' - 1" = 18' - 1".

All overhead heights are clear under anything in the overhead structure.

<sup>5</sup> Gurney compliance on passenger cars up to 3500 lbs. capacity must be side slide doors.

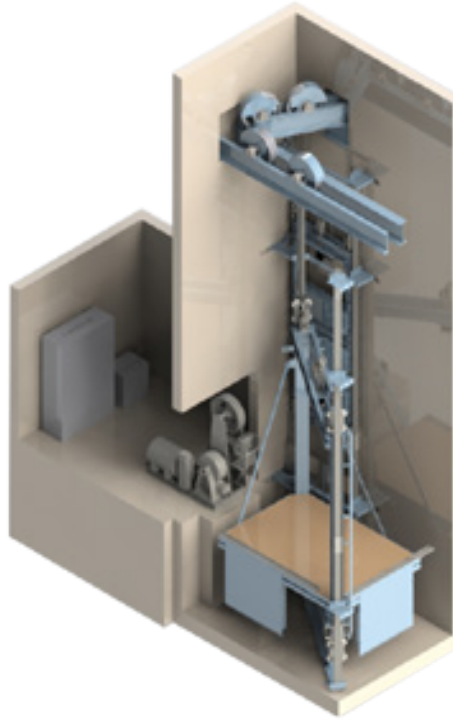
Dimensions listed above for multiple hoistways are based on the use of 4" divider beams. If wider divider beams are utilized, a wider clear hoistway will be required.



# SPECIALTY FREEDOM® GEARLESS AND GEARED TRACTION DESIGNS



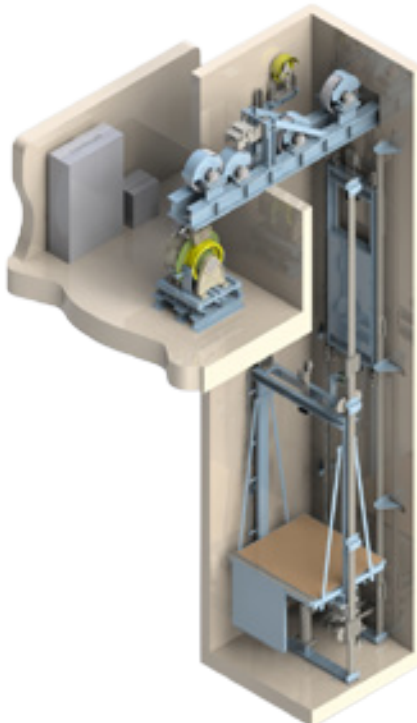
**GEARED BASEMENT APPLICATION**



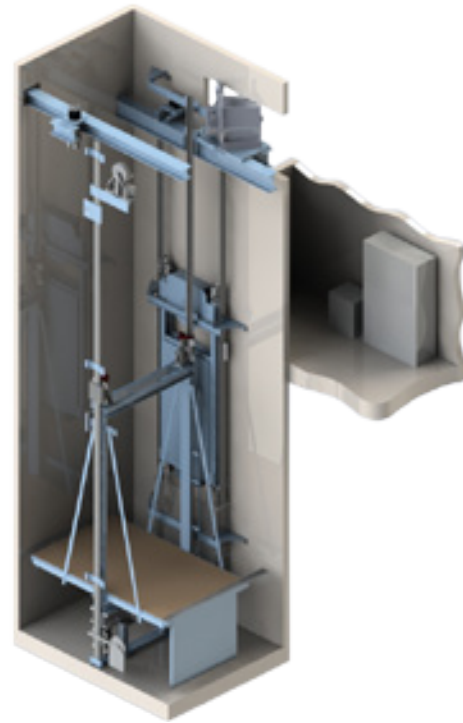
**GEARED OFFSET DEFLECTED APPLICATION - CORNER POST**



**FREEDOM FREIGHT APPLICATION  
C1, C2 AND C3 LOADING**



**GEARLESS OFFSET - BASEMENT**



**MRL - HYBRID**



Made in U.S.A.

# ELECTRICAL REQUIREMENTS AND HEAT RELEASE

## MR AND MRL ACPM 2:1 APPLICATIONS

Capacity	HP	Full Load Amps			Accelerating Amps			Control BTU Output		Machine BTU Output	Isolation Transformer BTU	
		@ 208V	@ 240V	@ 480V	@ 208V	@ 240V	@ 480V	Non-Regen	Regen			
150	2100	5.6	50	44	22	96	84	42	4013	2060	428	2390
150	2500	6.7	50	44	22	96	84	42	4013	2060	512	2390
150	3000	8	50	44	22	96	84	42	4682	2120	611	2390
150	3500	9.4	50	44	22	96	84	42	4682	2120	718	2390
150	4000	10.7	53	46	23	103	89	45	6925	2390	818	2561
150	4500	12	55	48	24	109	95	47	7417	2931	917	2731
150	5000	13.4	58	51	25	115	100	50	7417	2931	1024	2902
150	5500	14.7	61	53	27	121	105	53	7417	2931	1123	3073
150	6000	16	67	58	29	133	116	58	8185	2931	1222	3414
150	6500	17.4	69	61	30	139	121	61	8185	2931	1329	3585
150	7000	18.7	89	77	39	182	158	79	10780	5785	1429	4780
150	7500	20.1	91	80	40	188	163	82	12316	5785	1536	4950
150	8000	21.4	97	85	42	200	174	87	12316	5785	1635	5292
200	2100	7.5	50	44	22	96	84	42	4013	2060	573	2390
200	2500	8.9	50	44	22	96	84	42	4628	2060	680	2390
200	3000	10.7	50	44	22	96	84	42	6679	2120	818	2390
200	3500	12.5	53	46	23	103	89	45	6679	2120	955	2561
200	4000	14.3	61	53	27	121	105	53	6925	2390	1093	3073
200	4500	16	67	58	29	133	116	58	8185	2931	1222	3414
200	5000	17.8	69	61	30	139	121	61	8185	2931	1360	3585
200	5500	19.6	75	65	33	151	132	66	8185	2931	1498	3926
200	6000	21.4	80	70	35	164	142	71	9721	2931	1635	4268
200	6500	23.2	86	75	37	176	153	76	9721	2931	1773	4609
200	7000	25	108	94	47	225	195	98	12316	5785	1910	5975
200	7500	26.7	116	101	51	243	211	106	13852	5785	2040	6487
200	8000	28.5	122	106	53	255	222	111	13852	5785	2178	6828
350	2100	13.1	55	48	24	109	95	47	6611	2045	1001	2731
350	2500	15.6	61	53	27	121	105	53	7379	2045	1192	3073
350	3000	18.7	72	63	31	145	126	63	7448	2120	1429	3755
350	3500	21.8	80	70	35	164	142	71	8984	2120	1666	4268
350	4000	25	89	77	39	182	158	79	9230	2390	1910	4780
350	4500	28.1	97	85	42	200	174	87	11258	2931	2147	5292
350	5000	31.2	105	92	46	219	190	95	13562	2931	2384	5804
350	5500	34.3	114	99	50	237	206	103	13562	2931	2621	6316
350	6000	37.4	122	106	53	255	222	111	13562	2931	2858	6828
350	6500	40.6	130	113	57	274	238	119	16635	2931	3102	7340
350	7000	43.7	172	150	75	365	317	158	16157	5785	3339	9901
350	7500	46.8	186	162	81	396	343	172	16157	5785	3576	10754
350	8000	49.9	197	171	86	420	365	182	16157	5785	3813	11437
500	2100	18.7	72	63	31	145	126	63	7448	2120	1429	3755
500	2500	22.3	80	70	35	164	142	71	9325	2495	1704	4268
500	3000	26.7	94	82	41	194	169	84	10766	2390	2040	5121
500	3500	31.2	105	92	46	219	190	95	13562	2931	2384	5804
500	4000	35.7	116	101	51	243	211	106	11258	2931	2728	6487
500	4500	40.1	128	111	56	267	232	116	13562	2931	3064	7169
500	5000	44.6	139	121	60	292	253	127	13562	2931	3408	7852
500	5500	49	150	130	65	316	275	137	14381	3832	3744	8535
500	6000	53.5	161	140	70	341	296	148	20527	3832	4088	9218
500	6500	57.9	172	150	75	365	317	158	20527	3832	4424	9901
500	7000	62.4	236	205	102	506	439	219	26911	5785	4768	13827
500	7500	66.8	252	219	110	542	470	235	26911	5785	5104	14851
500	8000	71.3	269	234	117	579	502	251	26911	5785	5448	15875

Amperage values are based on front passenger door applications. For cars with rear doors, add 4A @ 208V, 2A @ 240V, and 1A @ 480V to the current values listed above.

Note: Electrical and heat release values are for initial estimate purposes only. Control and isolation transformer heat release values are based on a 50% duty cycle and 30% duty cycle for the hoist machine BTU values. All job specific values to be confirmed on Canton's Shop Drawings. Isolation transformers are not required for 480 VAC mainline applications unless called out by specification requirements. Freedom™ elevators include isolation transformers on applications other than 480 VAC.





# CANTON **ARCHITECTURAL** PRODUCTS



CANTON ELEVATOR





*NATIONAL SEPTEMBER 11 MEMORIAL MUSEUM, GROUND ZERO,  
WORLD TRADE CENTER, LOWER MANHATTAN, NEW YORK CITY*



# CABS



We offer a standard line of cabs available with several different designs and finishes, or we will build your custom design to order from plans and specifications. Stainless steel, bronze, glass, wood veneer, custom millwork, marble and granite are just some of the materials available.

Many of the nation's leading elevator contractors put their trust in Canton Architectural Products to supply superior quality elevator cabs at competitive prices. Our services include cabs for new construction, cabs and cab components for modernization or repair, and design and value engineering consultation.

To see more of our cab designs, please call or visit us online at [cantonarchitecturalproducts.com](http://cantonarchitecturalproducts.com).

## Examples Of Cabs

by **Canton Architectural Products, Inc.**

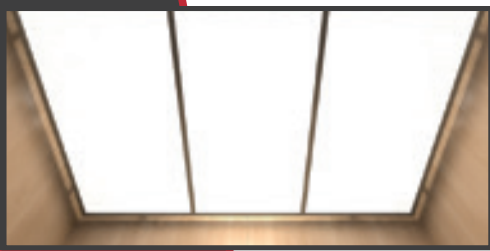


- Every cab is fully assembled, erected and subjected to a thorough inspection process prior to shipping
- All cabs are engineered using 3D modeling software
- All cabs are ASME A17.1 code compliant
- All steel wall and canopy panels come standard with a durable powder-coated finish
- All side walls, canopies and ceilings are packed and shipped pre-assembled for quick and simple assembly in the field
- All lighting is mounted, pre-wired and tested prior to shipping to save additional field labor
- Canopy panels are fabricated from 12-gauge steel
- Steel walls, entry posts and transoms are fabricated from 14 gauge steel



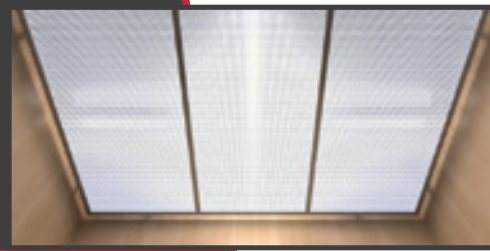
# CEILINGS AND LIGHTING

**SC 501**



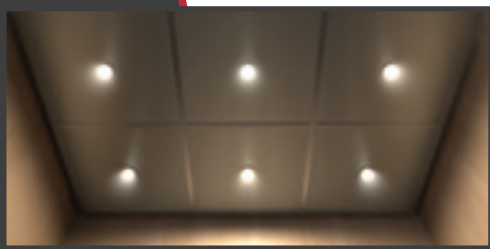
- 1" clear anodized aluminum frame
- 3 white polycarbonate diffuser panels
- Strip light fixtures with T8 fluorescent lamps

**SC 502**



- 1" clear anodized aluminum frame
- 3 aluminum eggcrate diffuser panels
- Strip light fixtures with T8 fluorescent lamps

**SC 505**



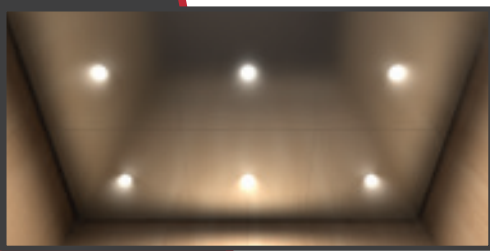
- 1" clear anodized aluminum frame
- Clear anodized aluminum panels
- 1 recessed LED downlight per panel

**SC 506**



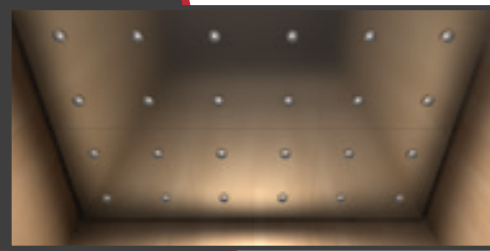
- 1" black aluminum frame
- Black anodized aluminum panels
- 1 recessed LED downlight per panel

**DC 502**



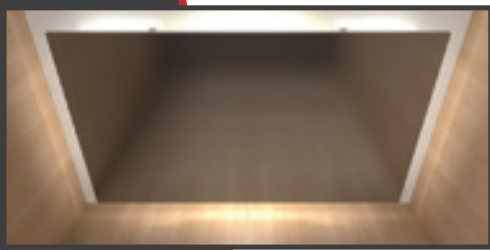
- Island drop ceiling clad with stainless steel #4
- 1 recessed LED downlight per panel

**DC 503**



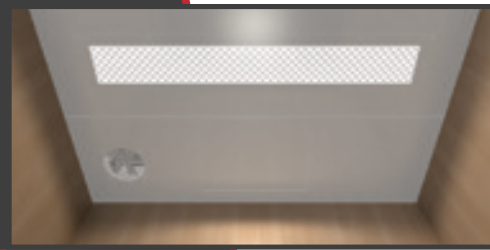
- Island drop ceiling clad with stainless steel #4
- 4 recessed LED downlight per panel

**DC 504**



- Island drop ceiling clad with stainless steel #4
- Indirect perimeter LED strip lights

**FC 503**



- Exposed flush canopy, white-powder coated finish
- White polycarbonate diffuser panels
- Recessed strip-light fixtures with T8 fluorescent lamps
- Protective vandal guard



# HANDRAILS AND SILLS

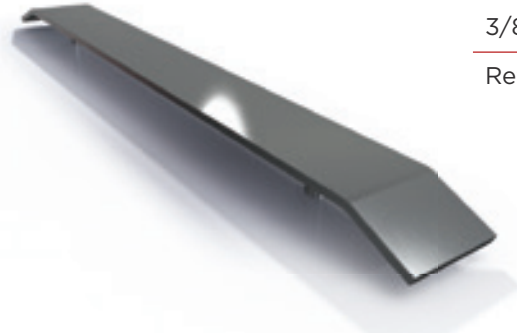
Handrails shown with Stainless Steel #4 finish. Other finishes available.



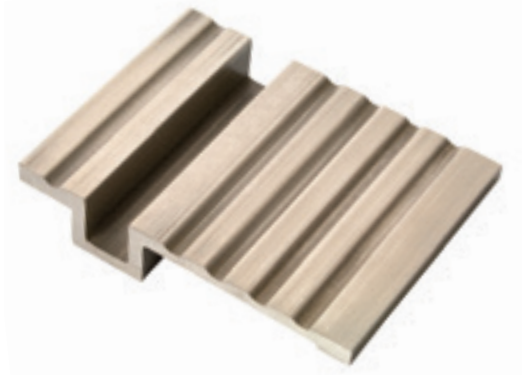
3/8" x 2" Bar  
Returned Ends



Extruded Aluminum  
Mill Finish



3/8" x 4" Bar  
Returned Ends



Extruded Nickel-Silver  
Satin Finish



1 1/2" Diameter  
Flat Ends



Extruded Bronze  
Satin Finish



1 1/2" Diameter  
Returned Ends



Extruded Stainless Steel  
Mill Finish



# COMPONENTS





*CHICAGO O'HARE INTERNATIONAL AIRPORT*



# REPLACEMENT JACK ASSEMBLIES



Contemporary elevator systems utilize the most trouble-free and easily serviced components available. The submersible pump units built by Canton Elevator are defined by that criteria and use only the highest grade materials available. There are no external pipes or fittings to leak and no belts to break, stretch or adjust.

## Piston Standard Features

- Material: DOM 1026 Tube (max length 22')
- Finish: 16 RA with a factory applied corrosive preventive coating
- Diameter Variation: +/- .010"
- Joint Type: Internal threaded sanded and polished with match marks
- Upper End: Inground and Roped include a plate with welded stud. Dual Holeless includes a drilled and tapped plate.
- Lower End: Welded Bulk Plate and Stop Ring (Roped Stop ring is 360° all Inground and Dual Holeless 180°)

## Cylinder Standard Features

- Material: A53 Grade B Pipe (Max length 40')
- Finish: Thoroughly cleaned, inspected and tested, then painted
- Joint Type: External Acme Threaded
- Upper End: Steel flange welded to receive bolt-on head and one-piece packing and Wiper Rings. Bleeder screws included for purging air.
- Bottom: Inground and Partial Inground units equipped with welded bulk plate and seamless dish cap. Holeless assemblies welded directly to mounting plate. Roped units fitted with a welded steel plate with oil inlet pipe nipple.
- Pit Supports: Inground units equipped with one-piece buffer/pit support plate with interval leveling/aligning bolts. Dual Holeless and Cantilever Holeless fitted with base plate and stabilizer bracket.

## Optional Equipment

- Cylinder protective tape coating
- Schedule 40 or 80 PVC
- Sealed/Monitored PVC
- Custom pit supports
- Life jacket

## Optional Equipment

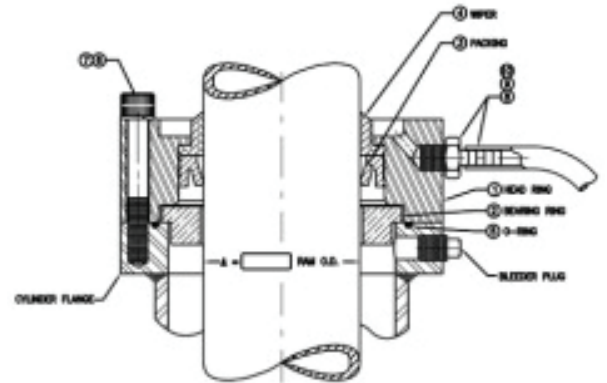
- Cylinder only manufacturing
- Re-use existing cylinder head with new cylinder material
- Two-stage telescopic
- Double wall cylinders
- Double bearing cylinders



# REPLACEMENT JACK ASSEMBLIES

## Single Stage Jack Assemblies

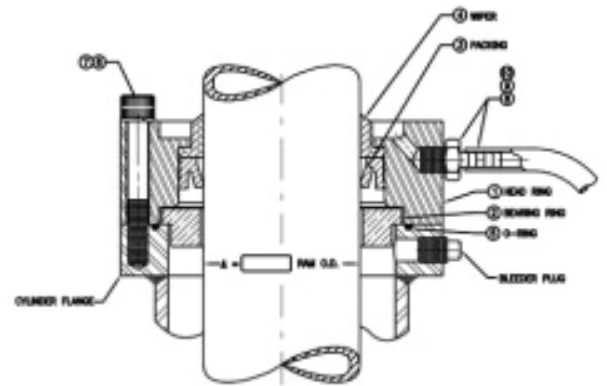
Piston OD	Cylinder OD	Std PVC		Monitored PVC	
		Depth	Height	Use. Gal.	Max. Gal.
3"	5"	8"	8"	N/A	N/A
3 - 1/2"					
4"	6"	8"	10"	10"	10"
4 - 1/2"					
5"	8"	10"	12"	12"	12"
5 - 1/2"					
6"	10"	14"	14"	14"	16"
6 - 1/2"					
7"	12"	16"	16"	16"	18"
7 - 1/2"					
8"	14"	18"	18"	18"	20"
8 - 1/2"					
9"	12"	16"	16"	16"	18"
9 - 1/2"					
10"	14"	18"	18"	18"	20"
10 - 1/2"					



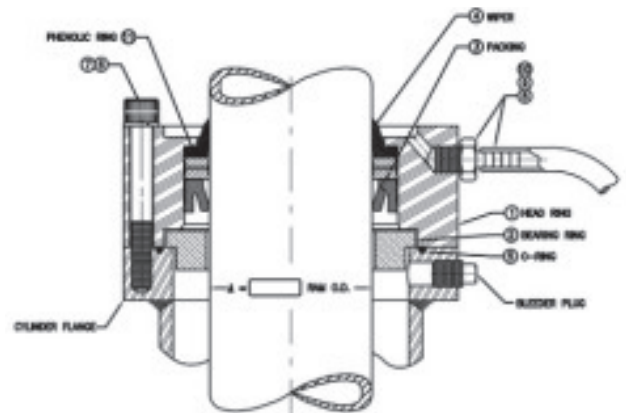
Single Stage Assembly Jack Head - 500 PSI

## Single Stage Cantilever and Dual Roped Jack Assemblies

Piston OD	Cylinder OD	
	700 PSI (Cantilever Roped)	900 PSI (Dual Roped)
3"	N/A	5"
3 - 1/2"		
4"		
4 - 1/2"	6"	6"
5"	8"	8"
5 - 1/2"		
6"		
6 - 1/2"	10"	10"
7"		
7 - 1/2"		
8"	N/A	N/A
8 - 1/2"		
9"		
9 - 1/2"	N/A	N/A
10"		
10 - 1/2"		



Single Stage Cantilever Assembly Jack Head - 700 PSI



Single Stage Dual Rope Assembly Jack Head - 900 PSI

## OPEN MARKET - RIGHT TO CHOOSE

Canton Elevator has always provided open market, non-proprietary elevators that can be installed, adjusted and maintained by any qualified elevator mechanic. To that end, you have the right to choose which controllers, fixtures, operators, control valves and machines that are available to the open market. Simply note your preference with any quote request and/or consult a Sales Engineer to set-up a Special Requirements profile.

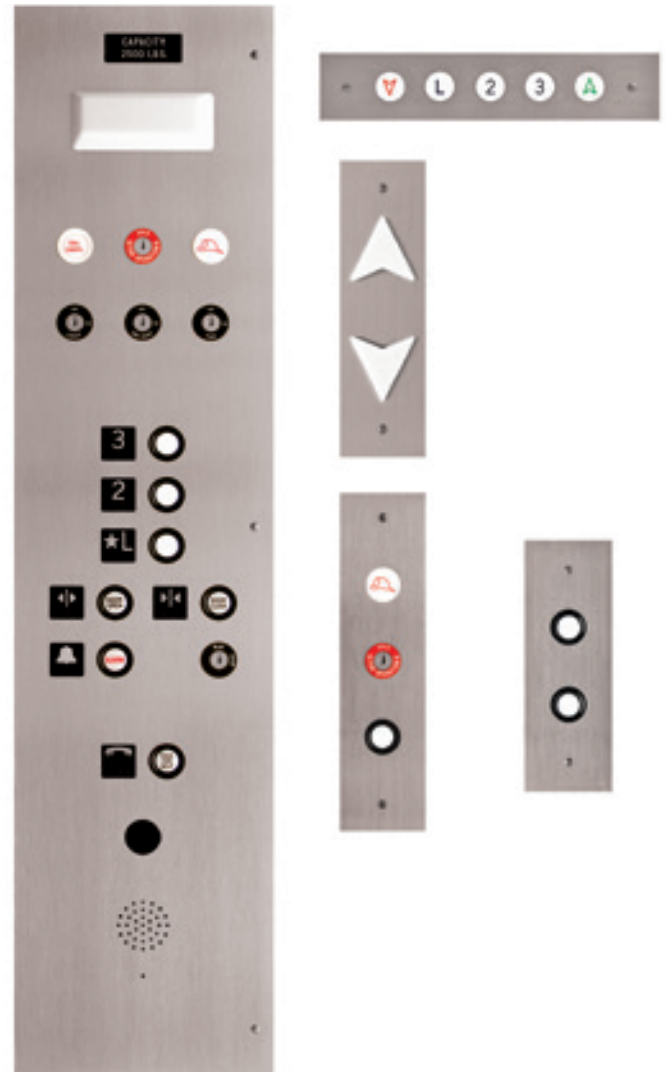
The traditional fixtures depicted on these two pages provide the perfect balance of economical design, functionality and rugged reliability.

- Durable and damage resistant lexan pushbutton bases, halos and caps
- Exceptional reliability provided by silver plated self-cleaning button contacts
- Vandal-resistant, exchangeable Braille plates stud welded and mechanically fastened to back of covers
- All button illumination available with incandescent, neon, or long-lasting LED lamps
- Light enhancing molded lexan or solid plexiglass lantern lenses
- Superior lantern illumination provided by choice of incandescent or LED lamps



## Jet Plus II Traditional Design

**This is our standard product offering**





## Bruiser

### The Heavy Duty Champion

Everything about the Bruiser Collection of fixtures is extremely tough and ideal for commercial elevator installations. Our exclusive push button, incorporating a mushroom design, seats against the faceplate to virtually eliminate damage to internal studs or contacts. Each push button is machined from #302 stainless steel for unequalled strength and durability. The round, bright red illuminating jewel projects from the top of the button for maximum brightness, presenting a 360° viewing angle. The Bruiser Series is an ideal choice for rugged, unmatched strength and durability.



Car Station Features as shown:

- #4 Brushed 304 Stainless Steel
- Square Braille
- PB-23, PB-24 Push Button
- Emergency communication system/hands-free ADA telephone



## Premier

### The Versatile Choice

The Premiere Collection of fixtures offers a sophisticated, elegant design with the toughness you'd expect from all of our fixtures. Rectangular or elliptical faceplate designs combined with a wide selection of push button configurations make the Premier Collection the right choice for the most demanding architectural applications.



Car Station Features as shown:

- #4 Brushed 304 Stainless Steel
- Square Braille
- PB-23, PB-24 Push Button
- Emergency communication system/hands-free ADA telephone

## Premier I-Line®



### The Surface Mount Solution

The Innovation Industries I-Line Collection offers more features and options than any other line of surface mount hall equipment. Smooth lines and rugged construction make these surface mount fixtures ideal for ADA and special retrofit projects. Our exclusive hinged design allows for quick installation and rapid service of all elevator panels, components, switches, etched instructions and signage.

## OPEN MARKET - RIGHT TO CHOOSE

Canton Elevator has always provided open market, non-proprietary elevators that can be installed, adjusted and maintained by any qualified elevator mechanic. To that end, you have the right to choose which controllers, fixtures, operators, control valves and machines that are available to the open market. Simply note your preference with any quote request and/or consult a Sales Engineer to set-up a Special Requirements profile.

### Hydraulic Controllers



#### Element Hydro® Elevator Control

Simple, Dependable Elevator Control

##### STANDARD FEATURES

- Non-proprietary
- No special tools required
- Modernization or new construction
- Solid state starter: Siemens® or Sprecher & Schuh®
- Simplified set-up; fewer parameters to get running
- Simplex and Duplex capable
- Minimal traveler and hoistway wire count
- Serial car and hall calls
- Serial PI and voice annunciator interface
- PC configurable with any web browser
- Seamless integration with iMonitor and Lift-Net



#### Virginia Controls - Vision

##### Hydraulic Controller with Serial I/O

Features a Microprocessor-based CPU w/ Serial Connections

##### STANDARD FEATURES

- Serial Communication via CAN Bus
- EZ-Install with simplified wiring
- ELGO Absolute Positioning
- Real-time Group Dispatching & Homing
- Program Updates via USB Flash Drive
- Field Adjustable Settings w/Keypad
- Non-Proprietary Software
- LCD Display w/Status Screens
- LED Status Indicators
- Door Nudging & ICU Operation
- NEMA I Enclosure

##### SPECIFICATIONS

- Max Speed: 200 FPM
- Capacity: As Required
- Max Landings: 10
- Max cars in group: 8
- Code: ASME A17.1 & ASME A17.5
- Certification: CSA



# CONTROLLERS AND OPERATORS



## Hydraulic Controllers



### Virginia Controls - MH-3000

#### Micro Hydraulic Elevator Controller

Features a Microprocessor-based CPU

#### STANDARD FEATURES

- Discrete Wiring
- P-8300 / IP-8700 Positioning System
- Field Adjustable Settings w/Keypad
- LCD Display w/Status Screens
- LED Status Indicators
- Non-Proprietary Software
- Door Nudging & ICU Operation
- NEMA I Enclosure

#### SPECIFICATIONS

- Max Speed: 200 FPM
- Capacity: As Required
- Max Landings: 10
- Max Cars in Group: 4
- Code: ASME A17.1 & ASME A17.5
- Certification: UL/cUL



## Traction Controllers



### Motion 400MRL

A tailored solution for MRL hoistways

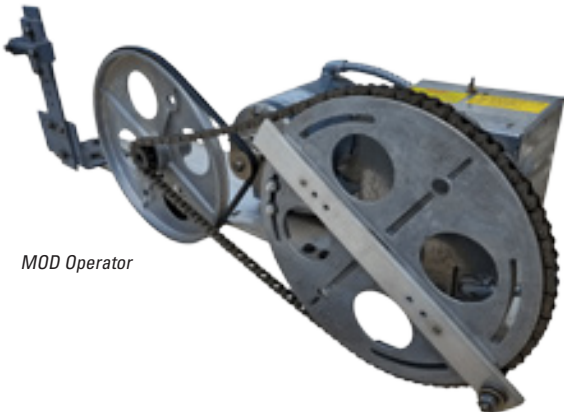
#### STANDARD FEATURES

- Serial hall call (optional)
- Serial COP (optional)
- Full distance feedback
- Universal I/O (24 to 120V AC or DC)
- ACPM or AC induction motor compatible
- Serial PI and voice annunciation interface
- Video-assisted, remote rescue system
- iMonitor, iReport, iLobby, BMS Link or Lift-Net™ ready (monitoring, reporting, lobby display)
- Onboard event log, up to 100 events

## Door Operators



Today Operators come in two basic constructions: "Harmonic", and the less heavy "Linear" version. GAL provides both Operators types to the industry and is on the cutting-edge of creating new designs that will benefit the industry. GAL Operators are renowned for their reliability and solid construction.



MOD Operator



## Machines



### Gearless AC Machines

Frame 400, 500, 700, 800, 900  
Gearless AC synchronous permanent magnet machines

Compact design, high efficiency and extreme reliability have confirmed the Imperial Electric Gearless AC Machines to be a favorite in the industry.

#### BENEFITS

- High efficiency
- Reduced power consumption
- Quieter operation
- Less cogging
- Smoother start up
- Compact design
- Reduced low speed vibration
- Improved electrical precision at very low speed
- Nearly maintenance-free

#### FEATURES

- AC synchronous permanent magnet design
- Machine, traction sheave, brake and encoder provided
- Totally enclosed, self-cooling motor — no fan needed
- Electronically activated double-action brake solenoid
- Brushless — no brushes to maintain
- Heavy duty components and construction
- Sub base with secondary sheave options
- CSA listed CUS recognized
- Re-greasable bearings
- Press fit hardened drive sheave



### Hollister Whitney - GL100 and GL130

GL130, 64, 64 B.S. and 64 O.D  
Gearless AC synchronous permanent magnet machines

The foundation for undeniable quality began at Hollister-Whitney over 115 years ago and continues to dictate H-W's products and services today. As part of the GAL Team of Excellence, H-W offers a complete line of overhead and basement set geared and gearless traction machines for the new construction and modernization elevator markets.

## Submersible Power Unit

Contemporary elevator systems utilize the most trouble-free and easily serviced components available. The submersible pump units built by Canton Elevator are defined by that criteria and use only the highest grade materials available. There are no external pipes or fittings to leak and no belts to break, stretch or adjust.

- Furnished with silencer as standard
- Factory adjusted, ready for operation and simple to readjust control valve
- Furnished complete with motor wire junction box and knockouts on both sides of unit, and provision for immersible oil heater
- Grooved or threaded outlets available (grooved is standard)
- Special dual units available
- Built-in pressure gauge must be side slide doors.



MODEL	A	B	C	Use. Gal.	Max. Gal.
2444	24 3/4"	47 1/2"	42"	55	123
3252	24 3/4"	54 3/4"	50"	138	227

NOTE: Other sizes available to meet job conditions.

## V-Belt Drive (Dry) Power Unit

V-Drive Power Units are designed to meet requirements for varied specifications and applications.

- Compact, fully-enclosed design, all servicing done from the front
- Sound isolated motor and pump compartment
- Factory adjusted, ready for operation and simple to readjust control valve
- Furnished with silencer as standard
- Built-in pressure gauge
- Grooved or threaded outlets available (grooved is standard)
- Special units available upon request
- Available with oil heater, isolated coupling, main line strainer and gate valve built into unit

MODEL	Width	Depth	Height	Use. Gal.	Max. Gal.
3446B	52 1/4"	33 3/4"	48"	33	93
3848B	54 1/4"	38 1/2"	60"	118	190
4160B	66 1/4"	40 3/4"	60"	157	252

Pump sizes 156, 187, 218, 250, use 3446B tank

Pump sizes 275 and 312 use 3848B tank

Pump size 350 uses 4160B tank





# ENTRANCES

Choose your lobby-side entrance appearance from these typical standard treatments and finishing techniques. Offered also but not shown are laminate-clad doors that allow you to coordinate with a particular decor or match your cab interior. The selection of colors or laminates is limited only by your imagination or availability of material. Single-slide, center-opening, two-speed, or custom two-speed center-opening and three-speed doors can be provided to meet your requirements. All doors are 1-1/2-hour "B" fire labeled and filled with fireproof sound-deadening material. Standard entrances use square profile jambs, however, bullnose, radius and other treatments are available.



1 SPEED SIDE OPENING

2 SPEED SIDE OPENING

1 SPEED CENTER OPENING

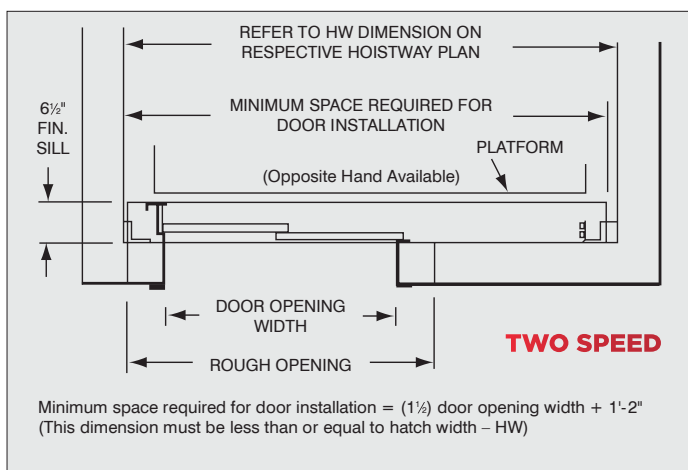
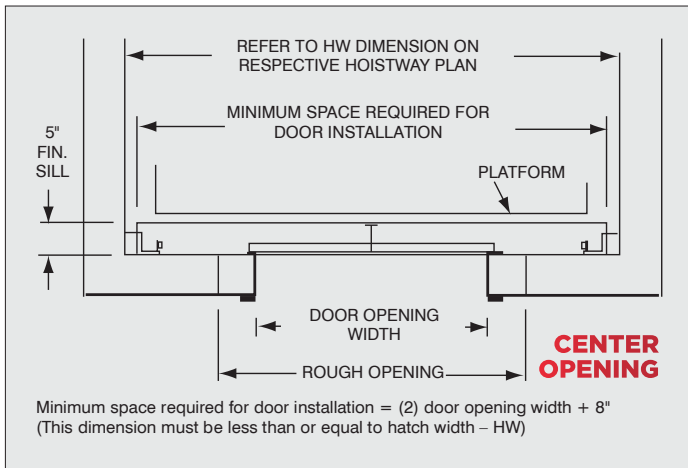
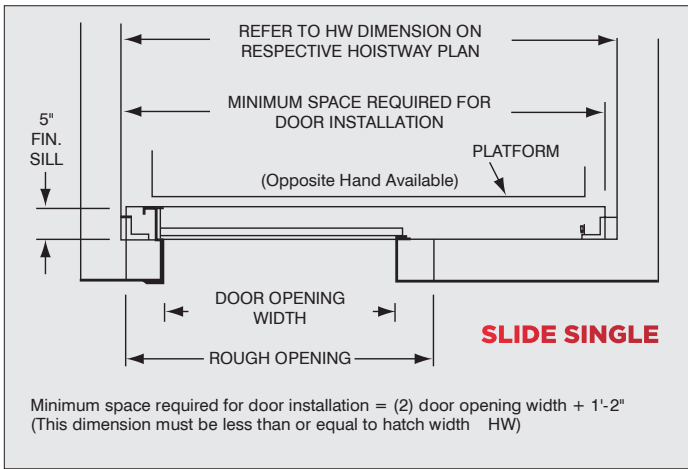
2 SPEED CENTER OPENING

This information is intended for preliminary planning. We have attempted to include the basic data that you will require in your planning efforts. For details about specific or custom installations, please contact your local Canton Elevator representative, or contact us directly.

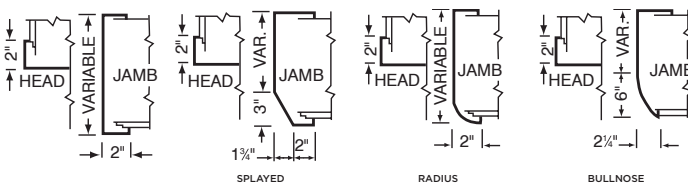
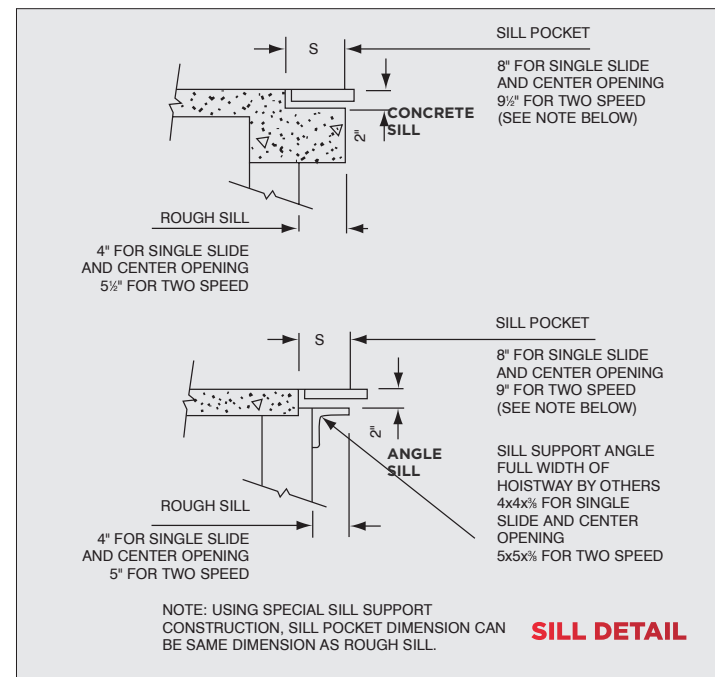
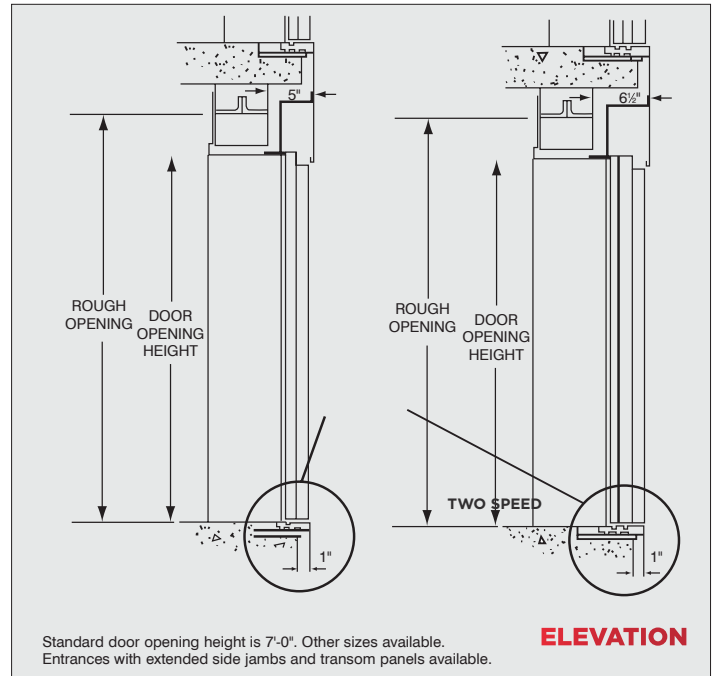
All entrances meet ANSI code requirements. Single slide, center opening, and two speed shown. Other arrangements available.



# ENTRANCES



It is recommended that the entrance wall be left open until door frames and sills are set in place. If this is not possible, then a rough opening must be provided that is 1'-0" wider and 6" higher than door opening. Wall is to be completed and sills (and frames as required) are to be grouted by others after entrances are installed in place.



STANDARD SQUARE FRAME PROFILE

OTHER PROFILES AVAILABLE  
JAMB PROFILES



**Hydraulic Division**

330-833-3600  
hydro@cantonelevator.com

**Traction Division**

916-463-9545  
traction@cantonelevator.com

**Architectural Products**

330-833-3600  
architechure@cantonelevator.com

**Headquarters**

2575 Greensburg Road  
North Canton, Ohio 44720  
330-833-3600  
330-833-0229 Fax  
info@cantonelevator.com

**West Coast Sales**

1100 Melody Lane, Suite 135  
Roseville, CA 95678  
916-677-1712  
916-677-1775 Fax  
hydro@cantonelevator.com

**[www.cantonelevator.com](http://www.cantonelevator.com)**