

Planning Guide

Paca-Glide Elevator





We are a proud member of the Accessibility Equipment Manufacturers Association. This symbol assures you of our commitment to high quality and accessibility to everyone.



Waupaca Elevator Mission Statement

Our company's mission is to supply and service products that meet or exceed our customers' expectations of high quality, value, delivery and longevity. Our success is a direct reflection of our employees' involvement and commitment to excellence. We strive to continuously improve our products to ensure meeting the future requirements of our customers and facilitate competitive growth.



S P E C WIZARD®

CSI 3-Part Specifications

Customize and download CSI 3-Part Specifications by logging on to:

<u>www.arcat.com</u> - specify Waupaca Elevator as the requested manufacturer <u>www.waupacaelevator.com</u> - go to "Architect Section" click on linking icon

SpecWizard is a faster easier way to customize CSI 3-part residential elevator specifications. Follow the above website information and choose the Spec Wizard icon. The drop down menus couldn't be any easier to use, just click on your choice of listed options and within a couple of minutes you have a completely customized specification.

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Introduction

This Planning Reference Guide is to be used as a guide in deciding the type of elevator to be installed, parameters of installation and steps taken to achieve a proper elevator installation. This guide may be used by the architect, contractor, dealer or home owner. The information in this guide is intended as an overview, each installation will have job specific specifications that must be followed. Do not attempt to construct a hoistway on this information alone.

Elevator installation is to be done by an authorized elevator contractor, and in accordance with installation instructions provided by the manufacturer. Installation must also be in compliance with requirements of the National Electric Code, American Society of Mechanical Engineers safety code, and state and local building codes. Waupaca Elevator's products are designed to meet the requirements of ASME - 17.1 National Elevator Codes for residential elevators and are fully certified by a registered professional engineer. Waupaca Elevator Company, Inc. elevators manufactured and installed under the proper parameters are warranted for 2 years. Manufacturer assumes no liability for equipment not installed in compliance with these codes.

Planning Steps

- 1. Locate local dealer and together determine the following:
 - A Select drive system, car type and design specifications
 - B Address national, state and local code requirements
 - C Hoistway size
 - D Car size, layout and options
 - E Machine room location and layout (if required)
 - F Electrical requirements
- 2. Obtain and follow site specific field drawings while building hoistway, doorways and any other construction related to the elevator.
- 3. Coordinate with dealer to install elevator.



Paca-Glide Winding Drum Elevator

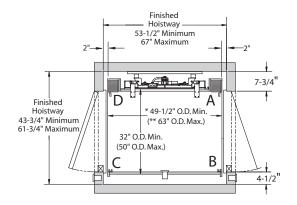
Machine Room Less

Series 015

Advantages

- No Machine Room Required
- Decreased Installation Time
- Advanced Fieldbus Electrical System
- Reliable
- Quiet Operation
- Smooth Ride
- Emergency Battery Descent
- Automatic Gate Operator

Minimum and Maximum Dimensions

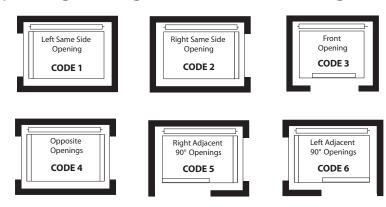


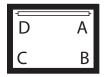
- * Single Opening 42 3/4" O.D. (outside dimension) **minimum** (rail is not centered in hoistway)
- ** Single Opening 62-1/2" O. D. (outside dimensions) **maximum**

NOTE:

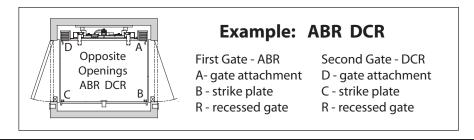
-) Minimum **D A** dimensions reflect rail centered in hoistway
- 2) Minimum **D A** dimension for car without a gate recess is 36" O.D. (outside dimension)
- 3) Car I.D. (inside dimensions) can not exceed 15 sq. ft. for 1,000 lb.

Car Opening Configurations and Coding





- 1-The DA is the side on which the rail is attached.
- 2 The first letter refers to the attachment location of the gate.
- 3 The second letter refers to the location of the strike plate.
- 4 If present, the third letter "R" denote a recessed gate.





- Use specified rail backing from architect to frame into wall.
- Hoistway illustrations below show finished dimensions. Finished hoistway dimensions include drywall, plaster and paint.
- A maximum of 3" (see "g" below) are allowed between the closed hoistway door and the outer edge of the landing sill.
- Determine height of hall station by local code.
- Rough frame door in place with an extra inch of space on each side of the door to allow for door installation.

The following examples are of a 1,000 lb. unit. Elevators are illustrated with accordion gates. The following layouts were designed for travel less than 25 feet, for distances up to 50 feet contact Waupaca Elevator Co.

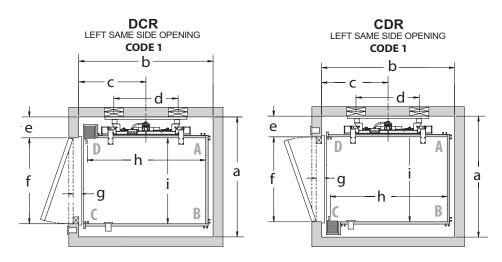
These symbols are listed beside the car size Waupaca Elevator believes to be best suited for use by wheelchair passengers and their accompanying attendant.



Recommended size for wheelchair passenger

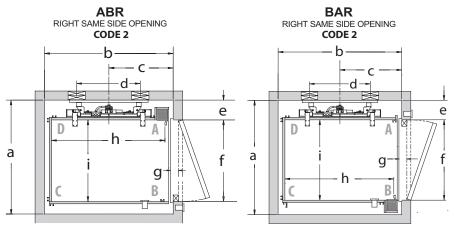


Recommended size for both wheelchair and attendant passengers

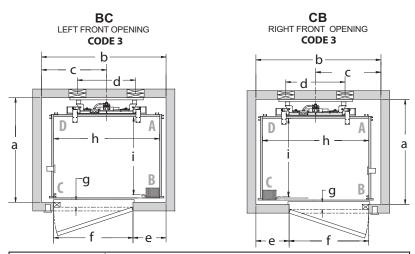


ELEVATOR HOISTWAY			PACA GLI	DE/LIF	Γ ELEV	ATOR	HOIST	WAY D	IMEN	ISIC	NS	
			040 0175		FINISHED HOISTWAY DIMENSIONS							
LAY	OUT	C,	AR SIZE	а	b	С	d	е	f	g	h	i
CODE 1	DCR		48" x 36"	50.25"	54.5"	27.25"	24.5"	8.75"	36"	3"	48"	36"
LEFT SAME	DCR	Ŗ	54" x 40"	54.25"	60.5"	30.25"	24.5"	12.75"	36"	3"	54"	40"
SIDE OPENING	DCR	ÌЬ	60" x 36"	50.25"	66.5"	33.25"	24.5"	8.75"	36"	3"	60"	36"
CODE 1	CDR		48" x 36"	51.25"	54.5"	27.25"	24.5"	8.75"	36"	3"	48"	36"
LEFT SAME	CDR	F	54" x 40"	53.75"	60.5"	30.25"	24.5"	8.75"	36"	3"	54"	40"
SIDE OPENING	CDR	ŤЬ	60" x 36"	51.25"	66.5"	33.25"	24.5"	8.75"	36"	3"	60"	36"



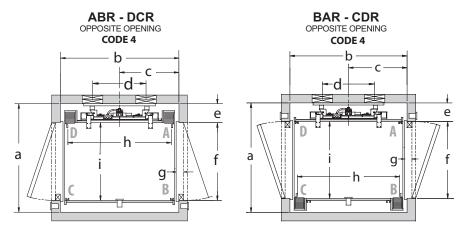


ELEV	ELEVATOR		PACA GLIDE/LIFT ELEVATOR HOISTWAY DIMENSIONS											
HOIST					FINISHED HOISTWAY DIMENSIONS									
LAY	OUT	C.	AR SIZE	а	b	С	d	е	f	g	h	i		
CODE 2	ABR		48" x 36"	50.25"	54.5"	27.25"	24.5"	8.75"	36"	3"	48"	36"		
RIGHT SAME	ABR	F	54" x 40"	54.25"	60.5"	30.25"	24.5"	12.75"	36"	3"	54"	40"		
SIDE OPENING	ABR	þЬ	60" x 36"	50.25"	66.5"	33.25"	24.5"	8.75"	36"	3"	60"	36"		
CODE 2	BAR		48" x 36"	51.25"	54.5"	27.25"	24.5"	8.75"	36"	3"	48"	36"		
RIGHT SAME	BAR	F	54" x 40"	53.75"	60.5"	30.25"	24.5"	8.75"	36"	3"	54"	40"		
SIDE OPENING	BAR	įь	60" x 36"	51.25"	66.5"	33.25"	24.5"	8.75"	36"	3"	60"	36"		

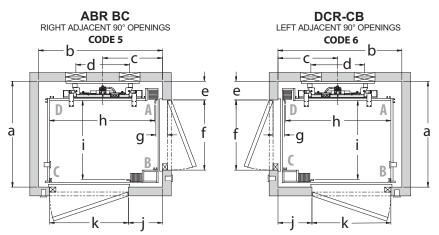


ELEVATOR HOISTWAY		PACA GL	DE/LIF	Γ ELEV	ATOR	HOIST	NAY D	IME	NSIC	ONS	
		CAR SIZE	FINISHED HOISTWAY DIMENSIONS								
LAY	OUT	CAR SIZE	а	b	С	d	е	f	g	h	i
CODE 3	ВС	48" x 36"	48.25"	56.5"	29.5"	24.5"	15"	36"	3"	48"	36"
LEFT	ВС	占 54" x 40"	52.25"	62.5"	32.5"	24.5"	21"	36"	3"	54"	40"
FRONT OPENING	ВС	60" x 36"	48.25"	68.5"	35.5"	24.5"	27"	36"	3"	60"	36"
CODE 3	СВ	48" x 36"	48.25"	56.5"	29.5"	24.5"	15"	36"	3"	48"	36"
RIGHT FRONT OPENING	СВ	5 4" x 40"	52.25"	62.5"	32.5"	24.5"	21"	36"	3"	54"	40"
	СВ	60" x 36"	48.25"	68.5"	35.5"	24.5"	27"	36"	3"	60"	36"





ELEV	ELEVATOR		PACA GLIDE/LIFT ELEVATOR HOISTWAY DIMENSIONS											
HOIS			AD 017E	FINISHED HOISTWAY DIMENSIONS										
LAY	OUT	C.	AR SIZE	а	b	С	d	е	f	g	h	i		
CODE 4	ABR-DCR		48" x 36"	50.25"	55"	27.50"	24.5"	8.75"	36"	3"	48"	36"		
OPPOSITE OPENING	ABR-DCR	Ė	54" x 40"	54.25"	61"	30.50"	24.5"	12.75"	36"	3"	54"	40"		
OI LIVING	ABR-DCR	İŁ	60" x 36"	50.25"	67"	33.50"	24.5"	8.75"	36"	3"	60"	36"		
CODE 4	BAR-CDR		48" x 36"	51.25"	55"	27.50"	24.5"	8.75"	36"	3"	48"	36"		
OPPOSITE OPENING	BAR-CDR	F	54" x 40"	53.75"	61"	30.50"	24.5"	8.75"	36"	3"	54"	40"		
OPENING	BAR-CDR	İŁ	60" x 36"	51.25"	67"	33.50"	24.5"	8.75"	36"	3"	60"	36"		



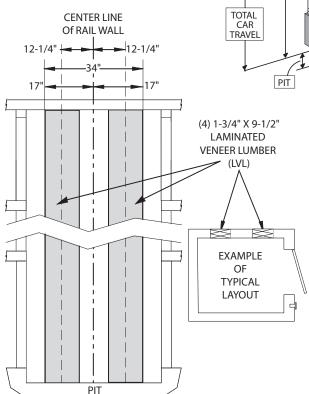
ELEVATOR			PACA	GLIDE	/LIFT	ELEVA	TOR H	DISTW	AY D	IME	NSI	ONS			
	HOISTWAY				FINISHED HOISTWAY DIMENSIONS										
LAY	OUT	C	AR SIZE	а	b	С	d	е	f	g	h	i	j	k	
CODE 5	ABR-BC		48" x 36"	48.25"	56.5"	27.25"	24.5"	8.5"	32"	3"	48"	36"	15.5"	36"	
RIGHT ADJACENT	ABR-BC	Ė	54" x 40"	52.25"	62.5"	30.25"	24.5"	8.5"	36"	3"	54"	40"	21.5"	36"	
90° OPENING	ABR-BC	İŁ	60" x 36"	48.25"	68.5"	33.25"	24.5"	8.5"	32"	3"	60"	36"	27.5"	36"	
CODE 6	DCR-CB		48" x 36"	48.25"	56.5"	27.25"	24.5"	8.5"	32"	3"	48"	36"	15.5"	36"	
LEFT ADJACENT	DCR-CB	F	54" x 40"	52.25"	62.5"	30.25"	24.5"	8.5"	36"	3"	54"	40"	21.5"	36"	
90° OPENING	DCR-CB	İŁ	60" x 36"	48.25"	68.5"	33.25"	24.5"	8.5"	32"	3"	60"	36"	27.5"	36"	

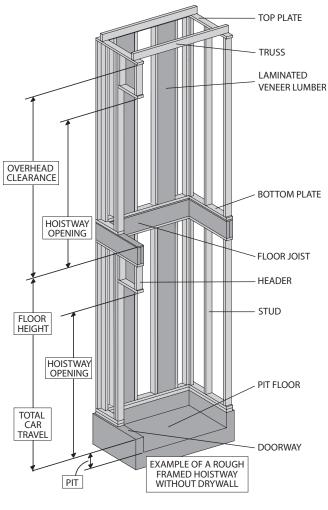


Hoistway Illustrations - Paca-Glide

The typical layouts shown here may vary from your actual hoistway. The purpose of these layouts are for a general understanding. Please refer to the Waupaca Elevator drawings and specifications that will be provided by the company.

This example applies to units with up to 25' of travel. Contact Waupaca Elevator for requirements on units traveling over 25.'





These drawings depict sample construction only. It is the responsibility of the installer/contractor or engineer to design and specify structural supports. All construction to be in compliance with local codes.

Hoistway Specifications - Paca-Glide

Refer to Illustration on previous page

ATTENTION CONSTRUCTION CONTRACTOR:

This is an example of a winding drum hoistway. Job specific documentation will be provided by Waupaca Elevator from which to construct the hoistway.

Hoistway Construction Requirements

(to be completed prior to elevator installation by contractor)

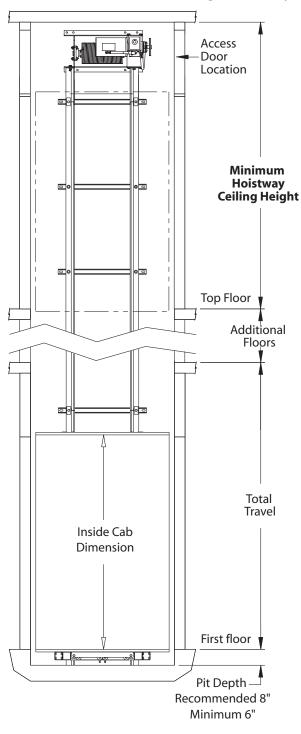
1. Electrical Requirements:

- Dedicated 230 VAC 30 AMP Circuit Single Phase. Fuse should be a time delay 25 AMP.
- Power supply to be installed in a lockable fused disconnect.
- 120 VAC 15 Amp Circuit Single Phase with manual disconnect & 15 AMP protection.
- Electrical wiring to comply with applicable codes.
- 2. **Unfinished/Un-installed Door** Installation company may prefer a minimum of one hoistway door and associated framing be left unfinished/un-installed to accommodate elevator installation equipment and to prevent accidental damage to door and framing (preferably at grade level).
- 3. **Plumb and Square Hoistway** Hoistway must be plumb within 1/8 inch per 10 ft. of height and square at any point within 1/4 inch based on difference in diagonal measurements.
- 4. **Supportive Structure** Structure must be capable of supporting the appropriate loads. Local engineering support is recommended.
- 5. **Telephone Connection** Code requires a telephone connection to the elevator car, therefore, a phone line must be installed leading to the controller.
- 6. **ASME 17.1 Part 5.3** Hoistway to be constructed in accordance with ASME17.1 Part 5.3 and all local codes.
- 7. **Hoistway Door Security (Interlocks)** All hoistway doors require interlocks as well as a door handle and a latch set. Interlocks will be installed by the elevator installers. Waupaca Elevator recommends the use of solid core doors.
- 8. **Temperature Requirements** Hoistway and machine room temperature should be maintainable between 60° F- 110° F and should not be exposed to the elements.
- 9. **No Alterations** Any alterations to the equipment without written authorization by Waupaca Elevator will void all warranties.
- 10. **Pit Floor Strength** A pit floor must be designed to withstand a load of 4,000 lbs. When used, concrete must be a minimum of 4"thick and rated at 3500PSI.



Elevation and Hoistway Ceiling Heights - Paca-Glide

Since the Paca-Glide Power Unit sits on top of the rail, the hoistway will need to be taller than other winding drum or hydraulic units.



Structure required to support lifting drive and rail during installation. Locate near center of shaft (by others) minimum 1,000 lbs.

Additional space may be required for hoisting and maneuvering equipment into place. Waupaca Elevator will provide you with the appropriate dimensions.

Waupaca Elevator's Paca Glide offers a total of five stops and a total travel distance of 50 feet.

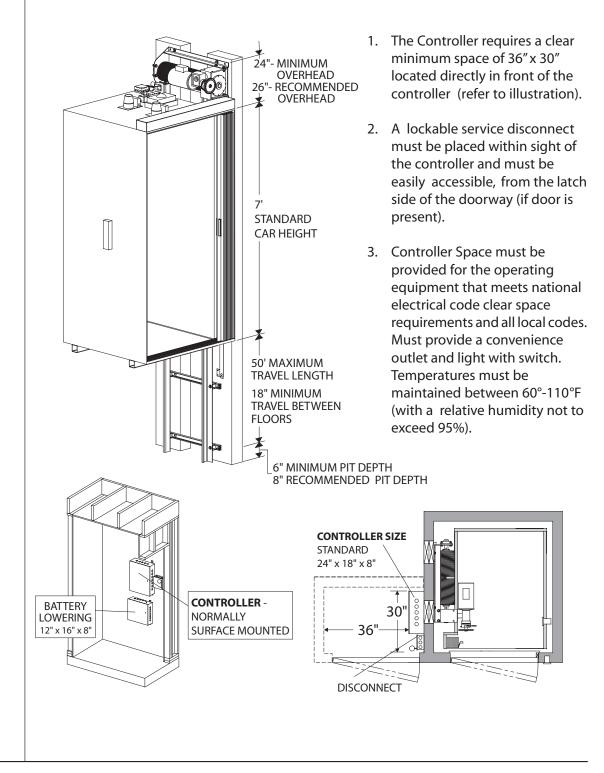
Hoistway Ceiling Heights*

Inside Cab Dimension	6′ 10″	7′ 0″	7′ 4″	8′0″
Recommended Ceiling Height	9′0″	9′ 2″	9′6″	10′2″
Minimum Ceiling Height	8′ 10″	9′0″	9′ 4″	10′0″

 Custom sized cabs will alter these dimensions. Waupaca Elevator will provide you with the appropriate dimensions.

Controller Space - Paca-Glide

Typical Layout

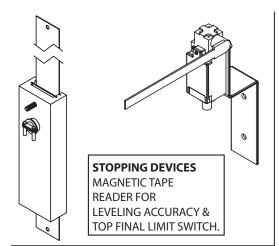


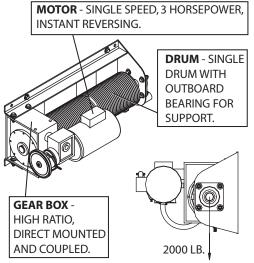
Elevator Equipment - Paca-Glide

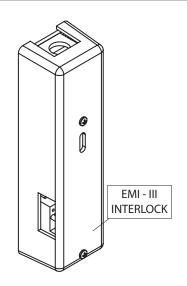
Typical

- Powerhead
- Main Rail
- Gear Box

- Interlocks
- Motor
- Drum

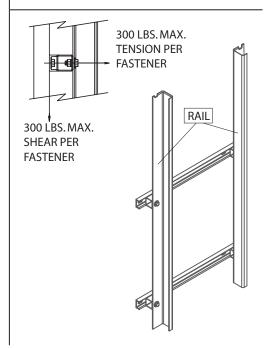






HOISTWAY DOOR INTERLOCKS EMI

required at each opening to prevent hoistway or elevator access while elevator is operating or at another landing.



Paca-Glide Elevator Series 015

