

**CARLOFT**

## Vehicle Storage for Private Residences

# MORNING STAR ELEVATOR

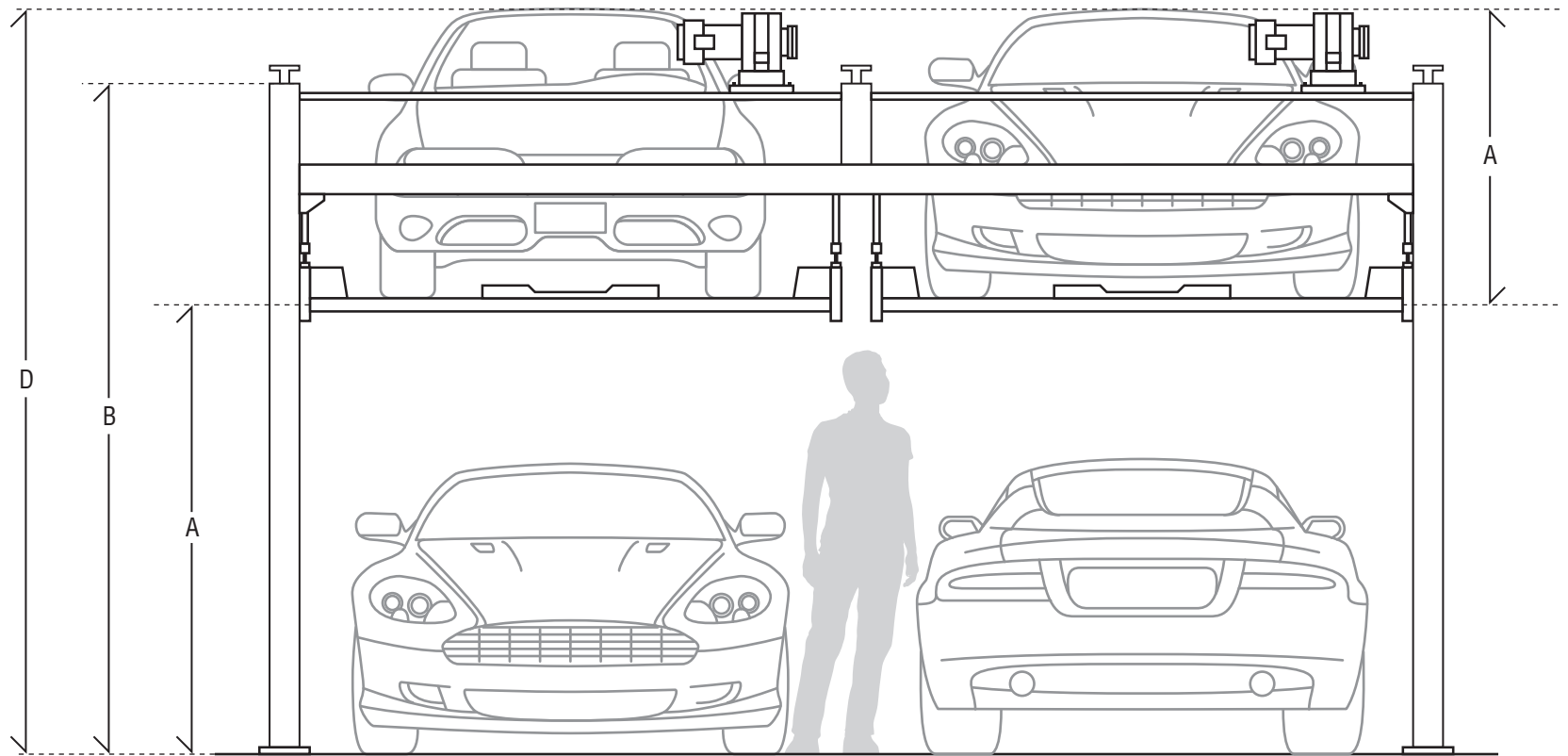
### Reclaim your garage...and make it beautiful too!

The CARLOFT™ has been developed for the discriminating custom home owner and builder. This system enables vehicles to be stored in the otherwise unused attic or loft space above conventional garage bays. No longer are traditional lifts needed that mount to the floor of the garage and take up space. You get your surface space back and never have to pull under a vehicle lift again. The CARLOFT™ can be designed into new construction, and with careful planning and execution may be retrofitted into existing homes.



# CARLOFT

**FIG. 1**



**A-** Distance from the Floor to the Bottom of the Upper Platform

**B-** Distance from the Floor to the Top of the Vertical Post

**C-** Height of the Upper Car

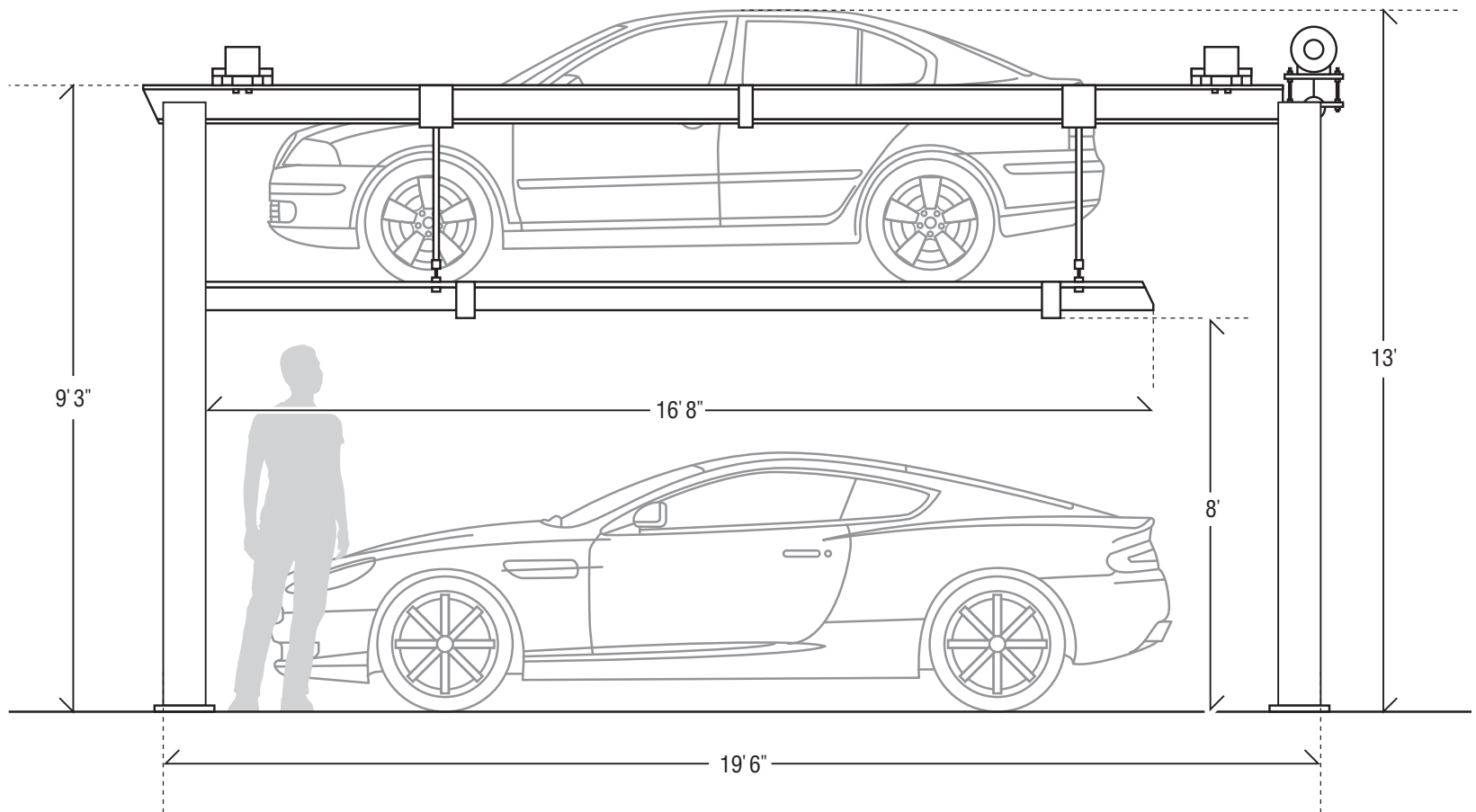
**D -** Distance from the Floor to the Top of the Upper Car

*Typical Configuration: D= 13 Feet A= 8 Feet C= 5 Feet B= 9.25 Feet*

TOTAL REQUIRED CEILING HEIGHT CLEARANCE TOOL								
		Preferred Overhead Clearance (inches)						
MAX UPPER VEHICLE HEIGHT		72	78	84	90	96	102	
	60	132	138	144	150	156	168	
	66	138	144	150	156	162	174	
	72	144	150	156	162	168	180	
	78	150	156	162	168	174	186	

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FIG.  
2



Typical dimensioning for the CARLOFT™ system.

Dimensions can be modified to fit the garage design.

This is based on one car above and one car at grade.

\*Average vehicle length is 16' 6".

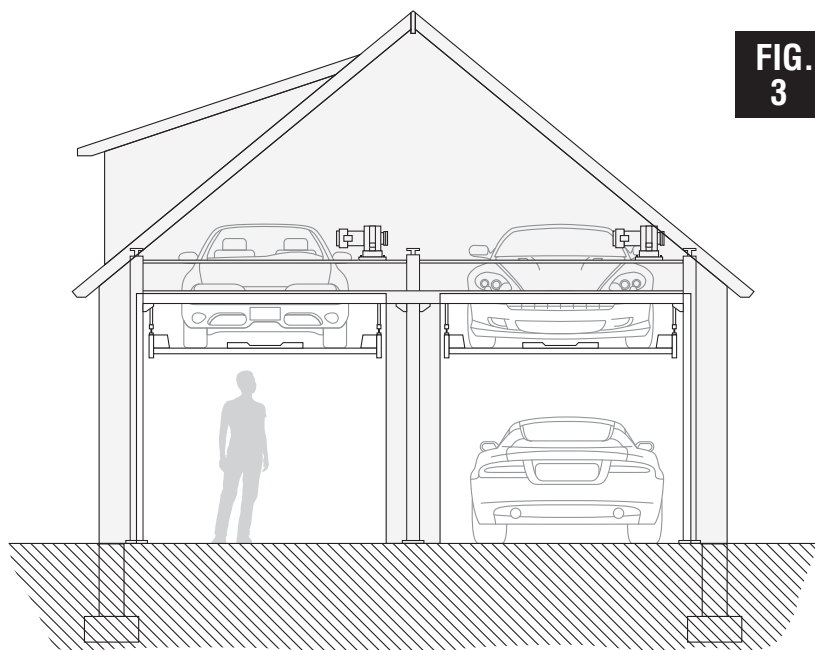


FIG.  
3

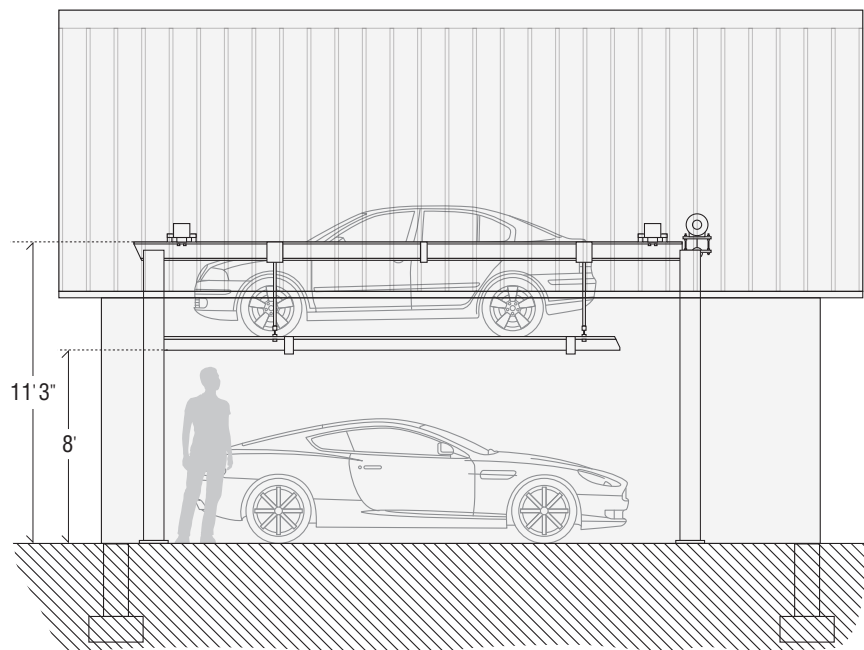
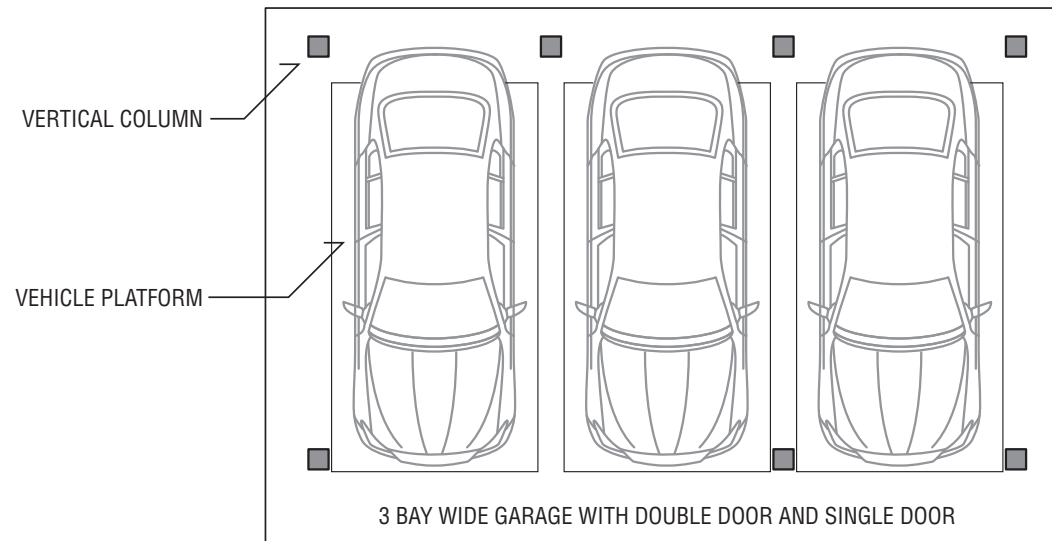
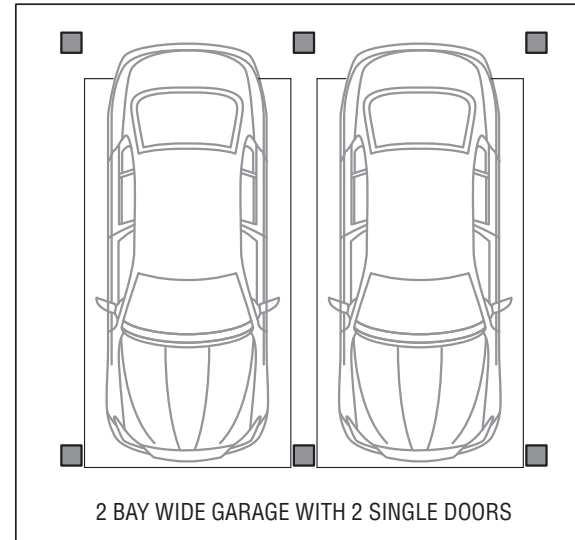
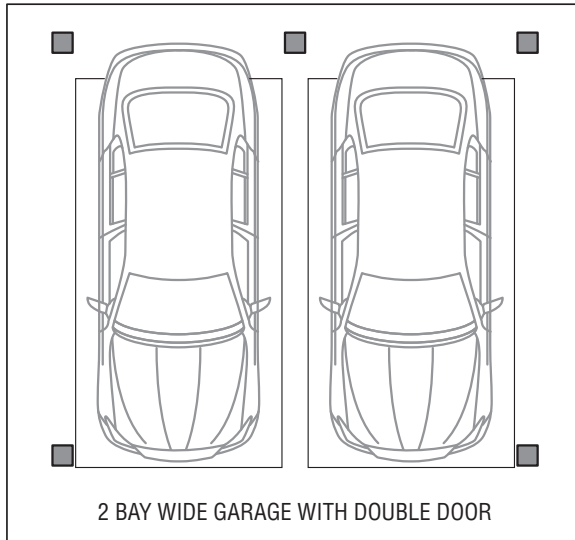


FIG.  
4



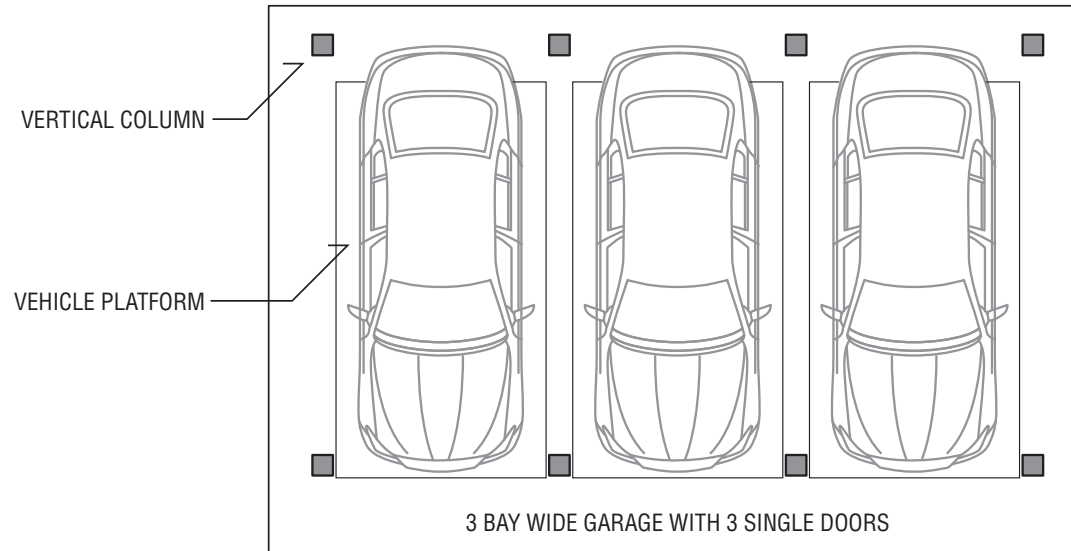
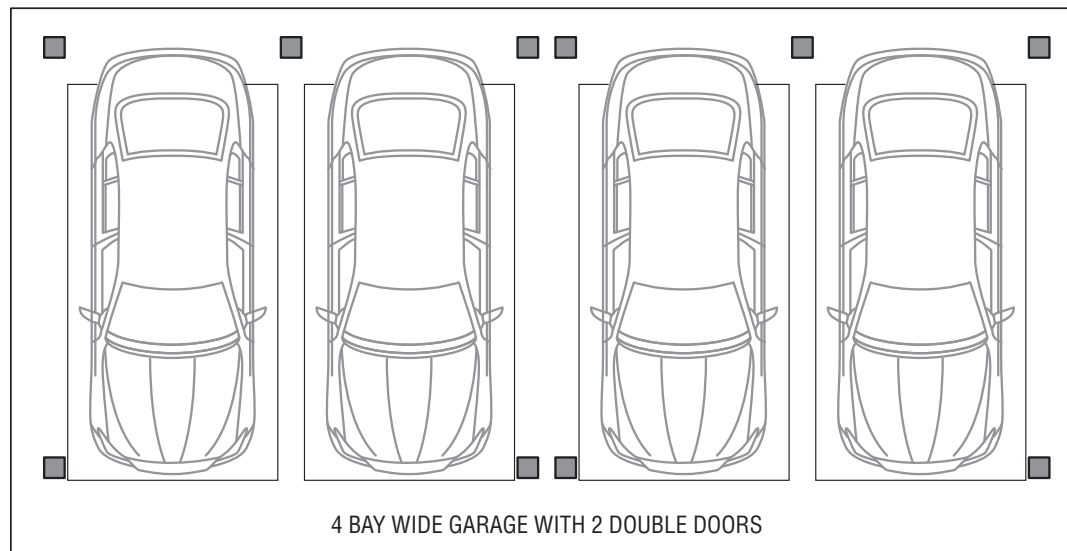


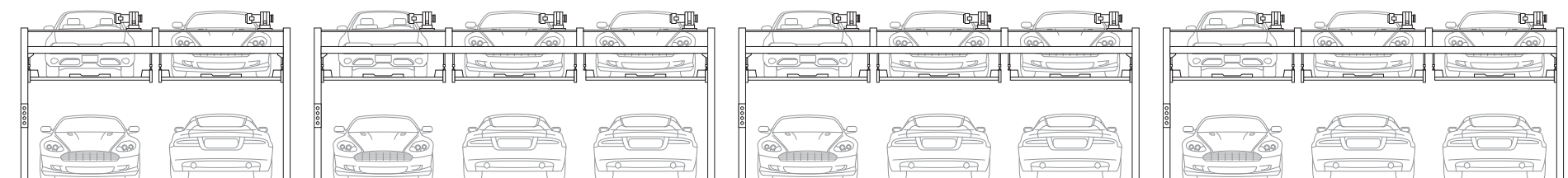
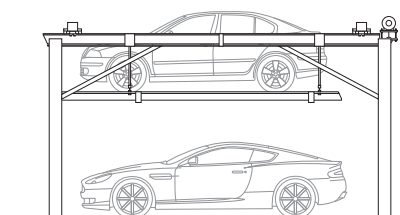
FIG.  
5



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## Commercial Application

FIG.  
6



## FEATURES

- Available in two, three, and four bay custom configured systems
- Uniquely configured to each individual garage
- Utilizes a steel beam structure stretched into the 4 corners of the garage space
- Vertical beams are hidden behind garage door divisions and corners of the garage
- 100% hot-dipped galvanized steel structure and platforms
- Suspended platforms lift vehicles into the available overhead loft/attic space
- All electric motors, no hydraulics
- Can be retro-fit into existing garages
- Creates something no residential vehicle lift can...clean, usable, available space
- Lifted platforms can be configured to 7, 8, 9, even 10 feet overhead, leaving the garage floor surface clean, uncluttered and “family friendly”.
- Vehicles that are driven daily can be pulled in and out of the garage without having to navigate around steel posts and platforms
- Not just for cars! Can be used to store anything overhead—ATVs, motorcycles, golf carts, and lots of miscellaneous!
- Platforms made of 100% galvanized steel
- Anti-fall devices are integrated into every platform
- Upper and lower limit switches to ensure platform settings and placement
- Photo beams to detect when a car is in the lower space eliminating the risk of lowering any upper platforms onto a lower parked vehicle (optional)
- 220V Single Phase Power
- Key pad operated controls
- Installed by factory technicians anywhere in the USA and Canada

## WARRANTY

One year electrical, two year mechanical, five year structural

## SAFETY

- Key-operated control switch for security and safety
- Automatic shut-off if operator releases the key-switch
- Structure certified for seismic and wind loads
- Integrated anti-fall safety system
- Manually operated lock releases
- All platforms configured with wheel stops and centering guides