

Otis...the global leader in elevator and escalator systems

Planning and design programs to meet every need

Before You Begin:

Otis Elevator Company, the world's leading manufacturer of elevator and escalator systems, meets the most rigid demands of planning, building and design professionals. We offer you two easy-to-use planning and selection guides:

- Architect's Assistant—Available on Otis.com. This simple, online plug-and-play program will generate customized CSI specifications and CAD drawings. It will help you design and build an elevator that meets building specification and code requirements
- Our E-Z Elevator Selection Process

These two distinct planning and selection tools are designed to help you meet the most demanding project requirements quickly and cost-effectively.

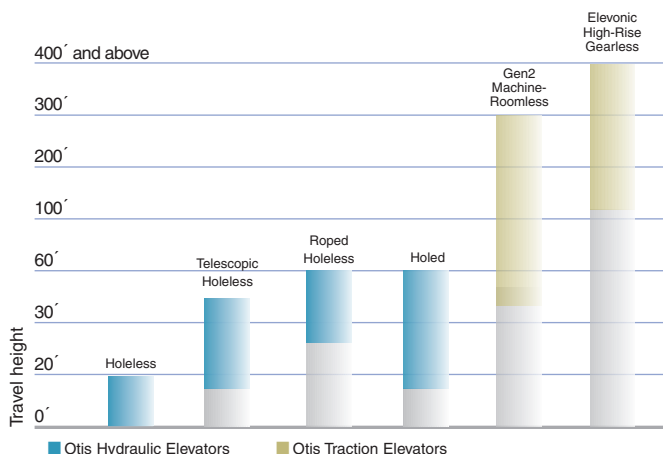
Otis E-Z Elevator Selection Process

Step 1: Travel Height

- Selecting the optimal elevator type for your project depends upon the elevator travel distance
- The chart below identifies Otis elevators most commonly selected for specific travel heights (see product pages in this guide for other criteria):

Elevator Selection Chart

Use this chart to determine which elevators are applicable for specific travel heights. Colors indicate recommended range of minimum and maximum travel height.



Step 2: Elevator Quantity and Size

- These are determined by floor population, building use or building type and national and local codes
- 3,500-lb capacity with center-opening door is common for mid- to high-rise buildings

Refer to Architect's Assistant at Otis.com for additional help in selecting proper size and number of elevators.

Step 3: Hoistway Requirements

- To accommodate heavier reinforcements to rails in seismic zones 2 or greater, additional hoistway space is required

Assess specific requirements by reviewing individual product pages in this guide.

Step 4: Machine/Control Room Requirements

Hydraulic Systems

- Separate machine room required at bottom landing
- Machine room can be located remotely or adjacent to hoistway at bottom landing

Gen2 Machine-Roomless System

- Requires separate control space/room
- Flexible control space/room placement—up to 150 feet away from top of hoistway (depending on wiring configuration within the building)

Required dimensions will be found on specific product pages in this guide. Consult your Otis representative for specific requirements.

Step 5: Car Design and Finishes

- Otis offers flexibility in designing and selecting car walls, ceilings, lighting, handrails, bumper rails and fixtures

See page 7 for additional information.

Visit www.otis.com for the latest information

Gen2[®] Machine-Roomless Elevator

Travel Height

– Maximum	196 ft @ 200 (ft/min)
	300 ft @ 350 (ft/min)
	300 ft @ 400 (ft/min)

Maximum stops 30

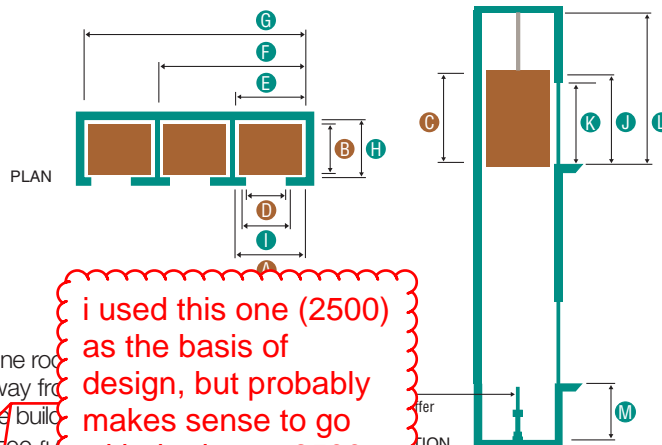
Speed (ft/min) 200, 350, 400

IMPORTANT:

To assist in your planning, we recommend that you call your Otis representative at the beginning of the project.

Key Attributes

- Space-saving configuration eliminates the need for a machine room
- Flexible control space/room placement up to 150 feet away from top of hoistway (depending on wiring configuration within the building)
- Machine room version of Gen2 available at speeds up to 500 ft/min
- Available with Compass[™] Destination Entry System



Dimensions¹

Front Opening	Passenger elevators				Service elevators				
Rated lbs.	2100	2500	3000	3500	4000	4000H	4500H	5000H	5000H AIA
Passenger Capacity ³	13/12	16/15	20/18	23/21	27/25	27/25	30/28	33/31	33/31
Car⁴									
A Interior width	5'-8"	6'-8 ⁵ / ₁₆ "	6'-8 ⁵ / ₁₆ "	6'-8 ⁵ / ₁₆ "	7'-8 ⁵ / ₁₆ "	5'-8 ⁵ / ₁₆ "	5'-8 ⁵ / ₁₆ "	5'-11 ⁵ / ₁₆ "	5'-8 ⁵ / ₁₆ "
B Interior depth	4'-3"	4'-3 ¹ / ₈ "	4'-9"	5'-5"	5'-5"	7'-5"	7'-11"	8'-6"	9'-0"
C Interior height ⁵	8'-0" (Optional 9'-7")								
D Car door width	3'-0"	3'-6"	3'-6"	3'-6"	4'-0"	4'-0"	4'-0"	4'-6"	4'-0"
Hoistway									
Width									
E Single hoistway ⁶	7'-4"	8'-4"	8'-4"	8'-4"	9'-4"	8'-2"	8'-2"	8'-5"	8'-2"
In seismic zones ⁶	7'-4"	8'-6"	8'-6"	8'-6"	9'-6"	8'-4"	8'-4"	8'-7"	8'-4"
F Double hoistway ⁶	15'-0"	17'-0"	17'-0"	17'-0"	19'-0"	16'-8"	16'-8"	17'-2"	16'-8"
In seismic zones ⁶	15'-0"	17'-4"	17'-4"	17'-4"	19'-4"	17'-0"	17'-0"	17'-6"	17'-0"
G Triple hoistway ⁶	22'-8"	25'-8"	25'-8"	25'-8"	28'-8"	25'-2"	25'-2"	25'-11"	25'-2"
In seismic zones ⁶	22'-8"	26'-2"	26'-2"	26'-2"	29'-2"	25'-8"	25'-8"	26'-5"	25'-8"
H Depth	6'-7 ¹ / ₂ "	6'-7 ¹ / ₂ "	7'-1 ¹ / ₂ "	7'-10"	7'-10"	9'-2"	9'-8"	10'-3"	10'-9"
In seismic zones	6'-7 ¹ / ₂ "	6'-7 ¹ / ₂ "	7'-1 ¹ / ₂ "	7'-10"	7'-10"	9'-2"	9'-8"	10'-3"	10'-9"
I Rough opening width	4'-8"	5'-2"	5'-2"	5'-2"	5'-8"	5'-8"	5'-8"	6'-2"	5'-8"
J Rough opening height	7'-10"								
K Clear opening height ⁷	7'-0" (Optional 8'-0")								
L Total overhead for 8'-0" car									
@ 200 ft/min	14'-7"	14'-9 ³ / ₁₆ "	14'-9 ³ / ₁₆ "	14'-9 ³ / ₁₆ "	14'-9 ³ / ₁₆ "	14'-9 ³ / ₁₆ "	14'-9 ³ / ₁₆ "	14'-9 ³ / ₁₆ "	14'-9 ³ / ₁₆ "
@ 350 ft/min	15'-3 ¹ / ₂ "	15'-5 ⁵ / ₁₆ "	15'-5 ⁵ / ₁₆ "	15'-5 ⁵ / ₁₆ "	15'-5 ⁵ / ₁₆ "	15'-5 ⁵ / ₁₆ "	15'-5 ⁵ / ₁₆ "	15'-5 ⁵ / ₁₆ "	15'-5 ⁵ / ₁₆ "
@ 400 ft/min	–	16'-0"	16'-0"	16'-0"	16'-0"	–	–	–	–
Total overhead for 9'-7" car									
@ 200 ft/min	–	16'-4 ³ / ₁₆ "	16'-4 ³ / ₁₆ "	16'-4 ³ / ₁₆ "	16'-4 ³ / ₁₆ "	16'-4 ³ / ₁₆ "	16'-4 ³ / ₁₆ "	16'-4 ³ / ₁₆ "	16'-4 ³ / ₁₆ "
@ 350 ft/min	–	17'-0 ⁹ / ₁₆ "	17'-0 ⁹ / ₁₆ "	17'-0 ⁹ / ₁₆ "	17'-0 ⁹ / ₁₆ "	17'-0 ⁹ / ₁₆ "	17'-0 ⁹ / ₁₆ "	17'-0 ⁹ / ₁₆ "	17'-0 ⁹ / ₁₆ "
@ 400 ft/min	–	17'-7"	17'-7"	17'-7"	17'-7"	–	–	–	–
M Minimum pit depth									
@ 200 ft/min	4'-11 ¹ / ₄ "								
@ 350 ft/min	5'-5 ¹ / ₄ "								
@ 400 ft/min	–	5'-8"	5'-8"	5'-8"	5'-8"	–	–	–	–
Control Space/Room									
N Control space–simplex	H x 2'-10" width								
Control room–simplex	H x 5'-0" width								
Control room–duplex	H x 7'-0" width								

¹ For glassback dimensions visit Otis.com or contact your Otis representative.

² Maximum travel for 2100 lb. car is 196 ft. @ 200 fpm and 164 ft. @ 350 fpm.

³ Capacity code requirements: US/Canada.

⁴ Interior dimensions may vary depending on interior finishes.

⁵ The 9'-7" car interior height does not apply to the 2100 lb. duty.

⁶ For elevators with occupied space below, this dimension may change. Consult your Otis representative for dimensions.

⁷ The 8'-0" height does not apply to the 2100 lb. duty.