

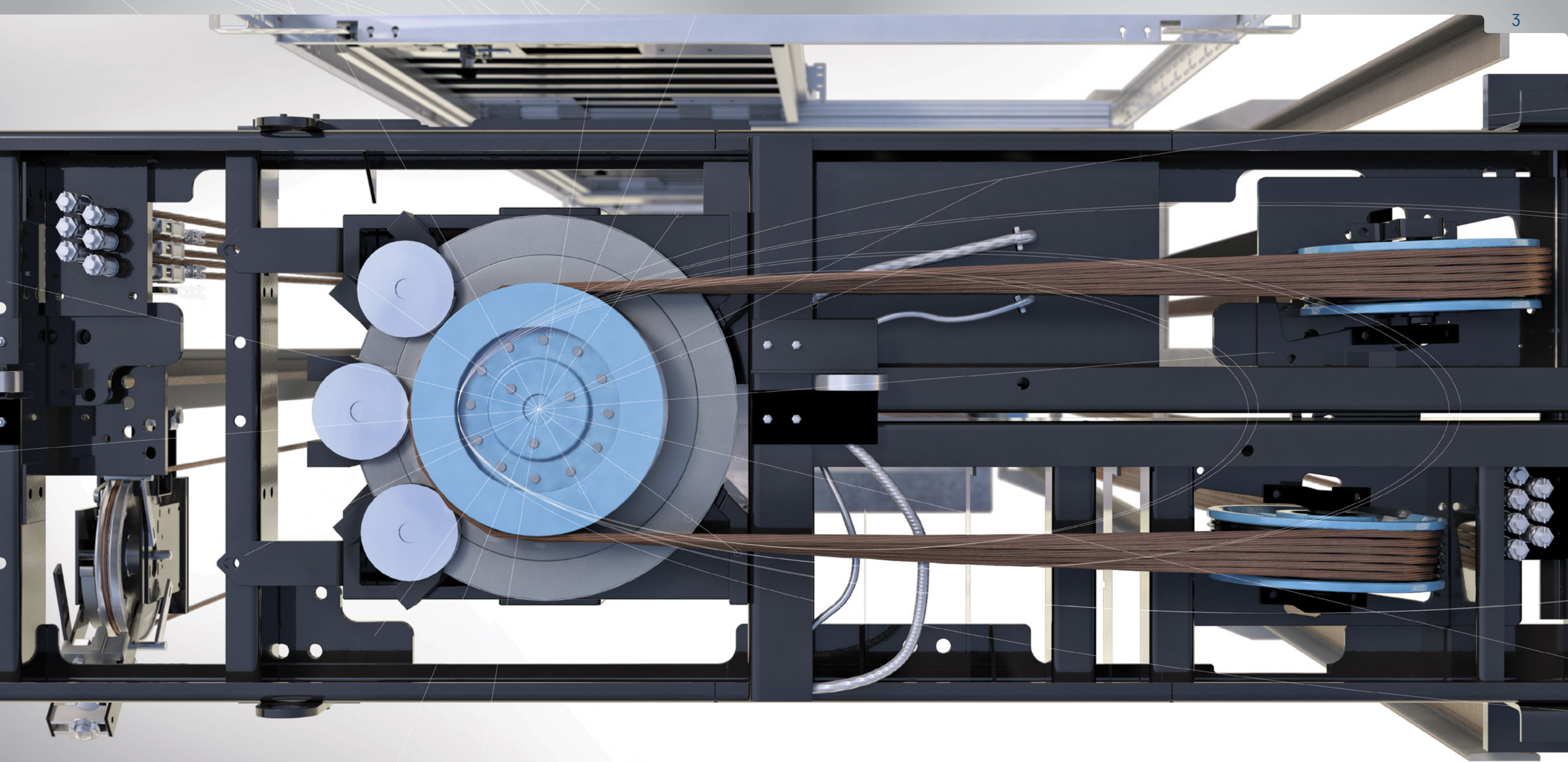
ENGINEERING CONFIDENCE.

2013 ELEVATOR PRODUCT LINE

ThyssenKrupp Elevator Americas



ThyssenKrupp



YOUR NEW ELEVATOR IS HERE.

When you choose an elevator company, you want to feel confident with the decision you make. You want people you can trust, service you can count on, and products that last. When you choose ThyssenKrupp Elevator Americas, confidence is engineered into everything we do, from the planning and installation process to routine elevator maintenance. It's one of the reasons we are the largest elevator producer in the Americas and why customers have trusted us for more than 75 years.

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Strength. Reliability. Amplified.

The hydraulic elevator powers on.

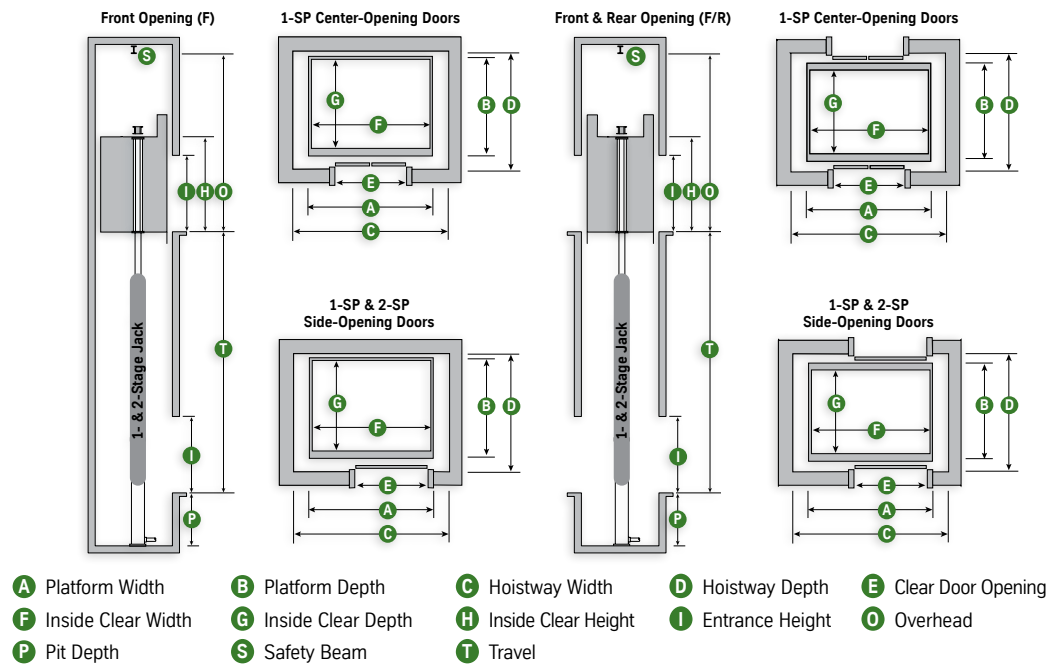
Since 1937, our hydraulic elevator system has been the standard for quality and reliability. **endura** continues that heritage as a smooth, quiet, and efficient workhorse that exceeds the demands of today's low-rise buildings. **endura** can be configured to meet your building specifications and is customizable with a variety of interior cab and fixture designs.

- Ideal solution for low-rise buildings up to four stories
- Submersible power unit saves space and reduces noise
- State-of-the-art positioning system for precise floor leveling
- Features TAC series digital controller with solid-state starter, a user-interface tool, and optional battery-powered lowering for greater reliability, efficiency, and performance
- Comes with petroleum-based biodegradable hydraulic fluid or a high-performing vegetable-based option, **enviromax™**
- Variety of standard and customizable cab interiors and fixtures to match your building design
- Above-ground or below-ground jack configurations for greater design flexibility
- UL-validated, low-emitting materials exceed stringent green requirements for indoor air quality
- ADA compliant
- Meets ASME A17.1 Safety Code for Elevators and Escalators

The logo for 'endura' is displayed in a white rounded rectangle. The word 'endura' is written in a lowercase, sans-serif font. The 'e' is green, and the remaining letters 'ndura' are blue.

Twinpost Above-Ground

- Jack Type: 1- & 2-Stage
- Travel: 12'-8" (1-Stage)¹, 23'-2½" (2-Stage)²
- Speed: 80-150 fpm
- Capacity: 2100-5000 lbs



1- & 2-Stage

| Cap (lbs) | Platform (A x B) | Hoistway ³ (C x D) | Front/Rear | Inside Clear (F x G) | Door Type | Door Width (E) |
|--------------------|------------------|-------------------------------|------------|----------------------|-----------|----------------|
| 2100 ⁴ | 6'-0" x 5'-1" | 7'-4" x 5'-9" | F | 5'-8" x 4'-3" | 1-SP | 3'-0" |
| 2100 ⁴ | 6'-0" x 5'-8¼" | 7'-4" x 6'-8¾" | F/R | 5'-8" x 4'-3½" | 1-SP | 3'-0" |
| 2500 | 7'-0" x 5'-1" | 8'-4" x 5'-9" | F | 6'-8" x 4'-3" | 1-SP | 3'-6" |
| 2500 | 7'-0" x 5'-8¼" | 8'-4" x 6'-8¾" | F/R | 6'-8" x 4'-3½" | 1-SP | 3'-6" |
| 3000 | 7'-0" x 5'-7" | 8'-4" x 6'-3" | F | 6'-8" x 4'-9" | 1-SP | 3'-6" |
| 3000 | 7'-0" x 6'-2¼" | 8'-4" x 7'-2¾" | F/R | 6'-8" x 4'-9½" | 1-SP | 3'-6" |
| 3500 ⁵ | 7'-0" x 6'-3" | 8'-4" x 6'-11" | F | 6'-8" x 5'-5" | 1-SP | 3'-6" |
| 3500 ⁵ | 7'-0" x 6'-10¼" | 8'-4" x 7'-10¾" | F/R | 6'-8" x 5'-5½" | 1-SP | 3'-6" |
| 4000 ⁵ | 8'-0" x 6'-3" | 9'-4" x 6'-11" | F | 7'-8" x 5'-5" | 1-SP | 3'-6" / 4'-0" |
| 4000 ⁵ | 8'-0" x 6'-10¼" | 9'-4" x 7'-10¾" | F/R | 7'-8" x 5'-5½" | 1-SP | 3'-6" / 4'-0" |
| 4500 ⁶ | 6'-0" x 8'-9" | 7'-4" x 9'-6½" | F | 5'-8" x 7'-9½" | 2-SP | 4'-0" / 4'-6" |
| 4500 ⁶ | 6'-0" x 9'-5¾" | 7'-4" x 10'-9¼" | F/R | 5'-8" x 7'-10" | 2-SP | 4'-0" / 4'-6" |
| 5000 ⁶ | 6'-0" x 9'-4½" | 7'-4" x 10'-2" | F | 5'-8" x 8'-5" | 2-SP | 4'-0" / 4'-6" |
| 5000 ⁶ | 6'-0" x 10'-1¼" | 7'-4" x 11'-4¾" | F/R | 5'-8" x 8'-5½" | 2-SP | 4'-0" / 4'-6" |
| 5000H ⁶ | 6'-0" x 9'-11½" | 7'-4" x 10'-9" | F | 5'-8" x 9'-0" | 2-SP | 4'-0" / 4'-6" |
| 5000H ⁶ | 6'-0" x 10'-8¼" | 7'-4" x 11'-11¾" | F/R | 5'-8" x 9'-0½" | 2-SP | 4'-0" / 4'-6" |

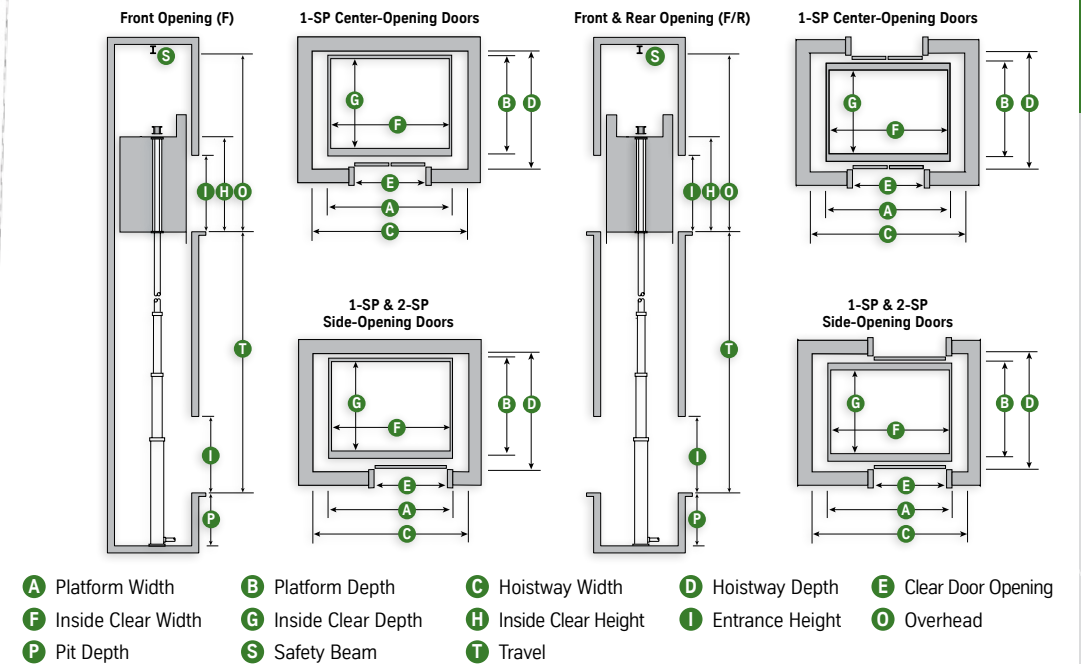
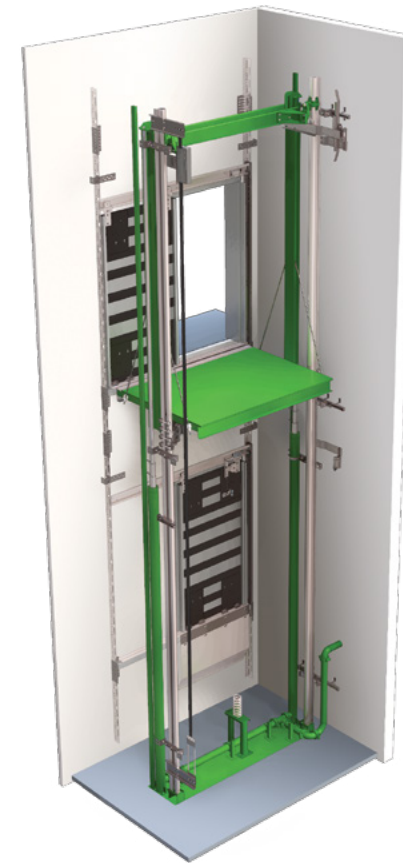
Dimensional data shown above is for both seismic and non-seismic zones and complies with current ASME A17.1 and CSA B44 Safety Code for Elevators. Local codes may vary from the national codes. Consult your ThyssenKrupp Elevator representative for details.

- P** Pit Depth: 4'-0"
- O** Minimum Overhead:
 - Up to 100 fpm: 12'-2" (1-Stage), 12'-8" (2-Stage)
 - Over 100 fpm: 12'-5" (1-Stage), 12'-8" (2-Stage)
- T** Additional Max Travel:
 - 1-Stage: 18'-11" (up to 100 fpm), 18'-8" (over 100 fpm)¹
 - 2-Stage: 28'-6"²
- I** Entrance Height: 7'-0"
- H** Inside Clear Cab Height: 7'-4"⁷
- S** Safety Beam Required per OSHA 1926.502⁸

¹ Additional travel in note T (above) is obtained by adding 1" of Overhead/Pit for every 1" of net travel over the standard. Max 2'-0" allowed in overhead.
² Additional travel in note T (above) is obtained by adding 1" of Overhead/Pit for every 2" of net travel over the standard. Max 2'-0" allowed in overhead.
³ In areas where a 7" deep pit ladder is required, additional hoistway width or wall pocket will be required.
⁴ This capacity is not available with center-opening doors.
⁵ To meet the requirements of IBC code for 84" stretchers, a 4'-0" center-opening (for 4000 lb capacity only) or 3'-6" side-opening (for 3500 lb or 4000 lb capacity) door is required.
⁶ With optional 4'-6" two-speed side-opening door, hoistway width becomes 8'-2".
⁷ Dimension shown is based on suspended ceiling design. An increase in cab height will result in an increase in overhead requirements.
⁸ Provided and installed by others, as directed by the local TKE office. Clear overhead is shown to the bottom of the safety beam.

Twinpost Above-Ground

- Jack Type: 3-Stage
- Travel: 33'-6½"¹
- Speed: 80-150 fpm
- Capacity: 2100-5000 lbs



3-Stage

| Cap (lbs) | Platform (A x B) | Hoistway (C x D) | Front/Rear | Inside Clear (F x G) | Door Type | Door Width (E) |
|--------------------|------------------|------------------|------------|----------------------|-----------|----------------|
| 2100 ² | 6'-0" x 5'-1" | 7'-8" x 5'-9" | F | 5'-8" x 4'-3" | 1-SP | 3'-0" |
| 2100 ² | 6'-0" x 5'-8¼" | 7'-8" x 6'-8¾" | F/R | 5'-8" x 4'-3½" | 1-SP | 3'-0" |
| 2500 | 7'-0" x 5'-1" | 8'-8" x 5'-9" | F | 6'-8" x 4'-3" | 1-SP | 3'-6" |
| 2500 | 7'-0" x 5'-8¼" | 8'-8" x 6'-8¾" | F/R | 6'-8" x 4'-3½" | 1-SP | 3'-6" |
| 3000 | 7'-0" x 5'-7" | 8'-8" x 6'-3" | F | 6'-8" x 4'-9" | 1-SP | 3'-6" |
| 3000 | 7'-0" x 6'-2¼" | 8'-8" x 7'-2¾" | F/R | 6'-8" x 4'-9½" | 1-SP | 3'-6" |
| 3500 ³ | 7'-0" x 6'-3" | 8'-8" x 6'-11" | F | 6'-8" x 5'-5" | 1-SP | 3'-6" |
| 3500 ³ | 7'-0" x 6'-10¼" | 8'-8" x 7'-10¾" | F/R | 6'-8" x 5'-5½" | 1-SP | 3'-6" |
| 4000 ³ | 8'-0" x 6'-3" | 9'-8" x 6'-11" | F | 7'-8" x 5'-5" | 1-SP | 3'-6" / 4'-0" |
| 4000 ³ | 8'-0" x 6'-10¼" | 9'-8" x 7'-10¾" | F/R | 7'-8" x 5'-5½" | 1-SP | 3'-6" / 4'-0" |
| 4500 ⁴ | 6'-0" x 8'-9" | 7'-8" x 9'-6½" | F | 5'-8" x 7'-9½" | 2-SP | 4'-0" / 4'-6" |
| 4500 ⁴ | 6'-0" x 9'-5¾" | 7'-8" x 10'-9¼" | F/R | 5'-8" x 7'-10" | 2-SP | 4'-0" / 4'-6" |
| 5000 ⁴ | 6'-0" x 9'-4½" | 7'-8" x 10'-2" | F | 5'-8" x 8'-5" | 2-SP | 4'-0" / 4'-6" |
| 5000 ⁴ | 6'-0" x 10'-1¼" | 7'-8" x 11'-4¾" | F/R | 5'-8" x 8'-5½" | 2-SP | 4'-0" / 4'-6" |
| 5000H ⁴ | 6'-0" x 9'-11½" | 7'-8" x 10'-9" | F | 5'-8" x 9'-0" | 2-SP | 4'-0" / 4'-6" |
| 5000H ⁴ | 6'-0" x 10'-8¼" | 7'-8" x 11'-11¾" | F/R | 5'-8" x 9'-0½" | 2-SP | 4'-0" / 4'-6" |

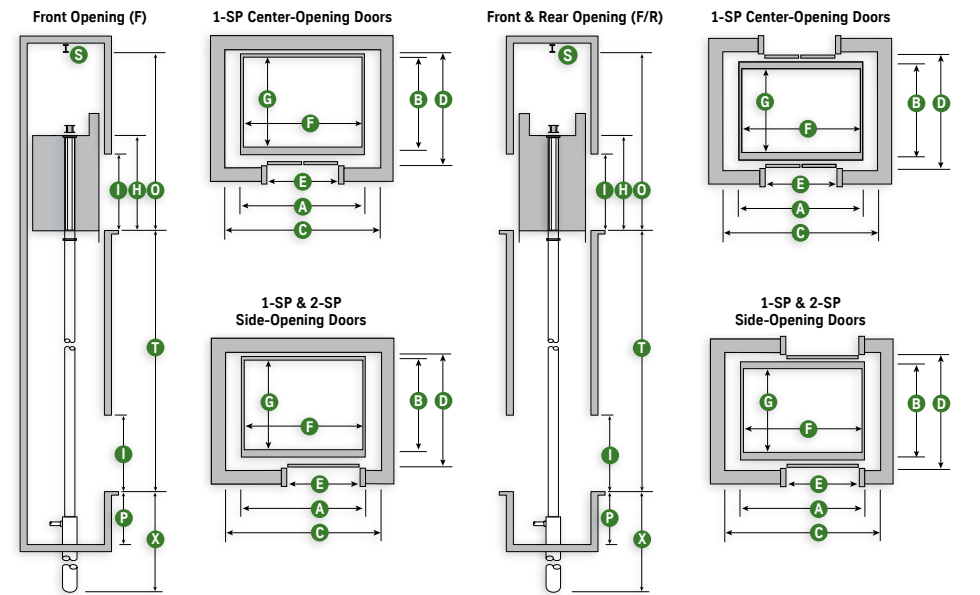
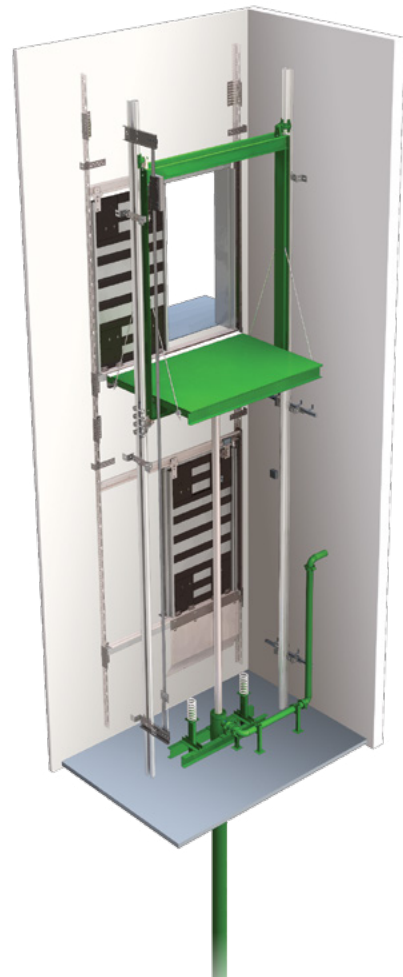
Dimensional data shown above is for both seismic and non-seismic zones and complies with current ASME A17.1 and CSA B44 Safety Code for Elevators. Local codes may vary from the national codes. Consult your ThyssenKrupp Elevator representative for details.

- P** Pit Depth: 4'-0"
- O** Minimum Overhead: 12'-11"
- T** Additional Max Travel: 48'-3½"¹
- H** Inside Clear Cab Height: 7'-4"⁵
- S** Safety Beam Required per OSHA 1926.502⁶

¹ Additional travel in note T (above) is obtained by adding 1" of Overhead/Pit for every 3" of net travel over the standard. Max 2'-0" allowed in overhead.
² This capacity is not available with center-opening doors.
³ To meet the requirements of IBC code for 84" stretchers, a 4'-0" center-opening (for 4000 lb capacity only) or 3'-6" side-opening (for 3500 lb or 4000 lb capacity) door is required.
⁴ With optional 4'-6" two-speed side-opening door, hoistway width becomes 8'-4".
⁵ Dimension shown is based on suspended ceiling design. An increase in cab height will result in an increase in overhead requirements.
⁶ Provided and installed by others, as directed by the local TKE office. Clear overhead is shown to the bottom of the safety beam.

Below-Ground

- Jack Type: Conventional
- Travel: 60'-0"
- Speed: 80-200 fpm
- Capacity: 2100-5000 lbs



- A** Platform Width
- B** Platform Depth
- C** Hoistway Width
- D** Hoistway Depth
- E** Clear Door Opening
- F** Inside Clear Width
- G** Inside Clear Depth
- H** Inside Clear Height
- I** Entrance Height
- O** Overhead
- P** Pit Depth
- S** Safety Beam
- T** Travel
- X** Jack Hole Depth

Conventional

| Cap (lbs) | Platform (A x B) | Hoistway ¹ (C x D) | Front/Rear | Inside Clear (F x G) | Door Type | Door Width (E) |
|--------------------|------------------|-------------------------------|------------|----------------------|-----------|----------------|
| 2100 ² | 6'-0" x 5'-1" | 7'-4" x 5'-9" | F | 5'-8" x 4'-3" | 1-SP | 3'-0" |
| 2100 ² | 6'-0" x 5'-8¼" | 7'-4" x 6'-8¾" | F/R | 5'-8" x 4'-3½" | 1-SP | 3'-0" |
| 2500 | 7'-0" x 5'-1" | 8'-4" x 5'-9" | F | 6'-8" x 4'-3" | 1-SP | 3'-6" |
| 2500 | 7'-0" x 5'-8¼" | 8'-4" x 6'-8¾" | F/R | 6'-8" x 4'-3½" | 1-SP | 3'-6" |
| 3000 | 7'-0" x 5'-7" | 8'-4" x 6'-3" | F | 6'-8" x 4'-9" | 1-SP | 3'-6" |
| 3000 | 7'-0" x 6'-2¼" | 8'-4" x 7'-2¾" | F/R | 6'-8" x 4'-9½" | 1-SP | 3'-6" |
| 3500 ³ | 7'-0" x 6'-3" | 8'-4" x 6'-11" | F | 6'-8" x 5'-5" | 1-SP | 3'-6" |
| 3500 ³ | 7'-0" x 6'-10¼" | 8'-4" x 7'-10¾" | F/R | 6'-8" x 5'-5½" | 1-SP | 3'-6" |
| 4000 ³ | 8'-0" x 6'-3" | 9'-4" x 6'-11" | F | 7'-8" x 5'-5" | 1-SP | 3'-6" / 4'-0" |
| 4000 ³ | 8'-0" x 6'-10¼" | 9'-4" x 7'-10¾" | F/R | 7'-8" x 5'-5½" | 1-SP | 3'-6" / 4'-0" |
| 4500 ⁴ | 6'-0" x 8'-9" | 7'-4" x 9'-6½" | F | 5'-8" x 7'-9½" | 2-SP | 4'-0" / 4'-6" |
| 4500 ⁴ | 6'-0" x 9'-5¾" | 7'-4" x 10'-9¼" | F/R | 5'-8" x 7'-10" | 2-SP | 4'-0" / 4'-6" |
| 5000 ⁴ | 6'-0" x 9'-4½" | 7'-4" x 10'-2" | F | 5'-8" x 8'-5" | 2-SP | 4'-0" / 4'-6" |
| 5000 ⁴ | 6'-0" x 10'-1¼" | 7'-4" x 11'-4¾" | F/R | 5'-8" x 8'-5½" | 2-SP | 4'-0" / 4'-6" |
| 5000H ⁴ | 6'-0" x 9'-11½" | 7'-4" x 10'-9" | F | 5'-8" x 9'-0" | 2-SP | 4'-0" / 4'-6" |
| 5000H ⁴ | 6'-0" x 10'-8¼" | 7'-4" x 11'-11¾" | F/R | 5'-8" x 9'-0½" | 2-SP | 4'-0" / 4'-6" |

- P** Pit Depth: 4'-0"
- O** Minimum Overhead:
 - Up to 100 fpm: 12'-0"
 - Over 100 fpm: 12'-3"
- H** Inside Clear Cab Height: 7'-4"⁵
- I** Standard Door Height: 7'-0"
- X** Standard Jack Hole Depth: Travel + 6'-0"
- S** Safety Beam Required per OSHA 1926.502⁶

¹ In areas where a 7" deep pit ladder is required, additional hoistway width or wall pocket will be required.

² This capacity is not available with center-opening doors.

³ To meet the requirements of IBC code for 84" stretchers, a 4'-0" center-opening (for 4000 lb capacity only) or 3'-6" side-opening (for 3500 lb or 4000 lb capacity) door is required.

⁴ With optional 4'-6" two-speed side-opening door, hoistway width becomes 8'-2".

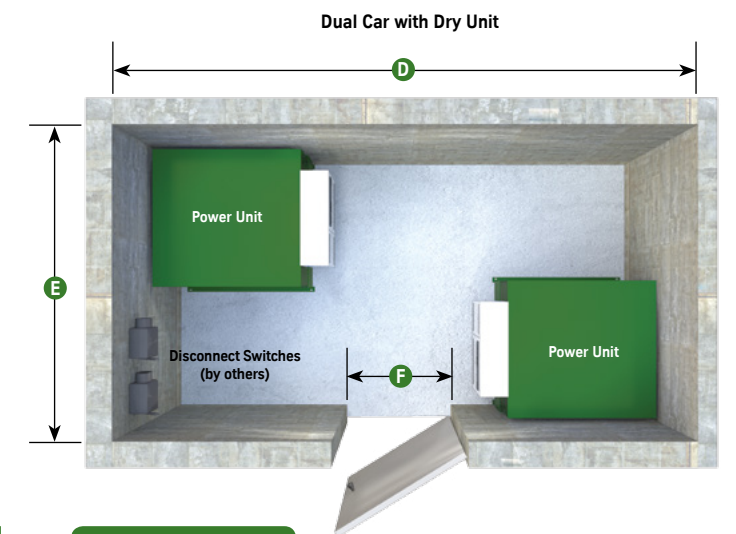
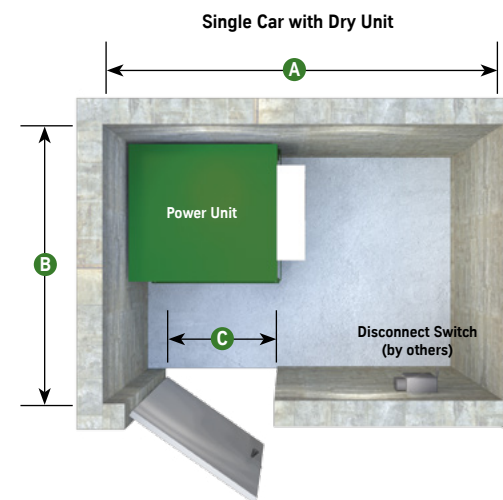
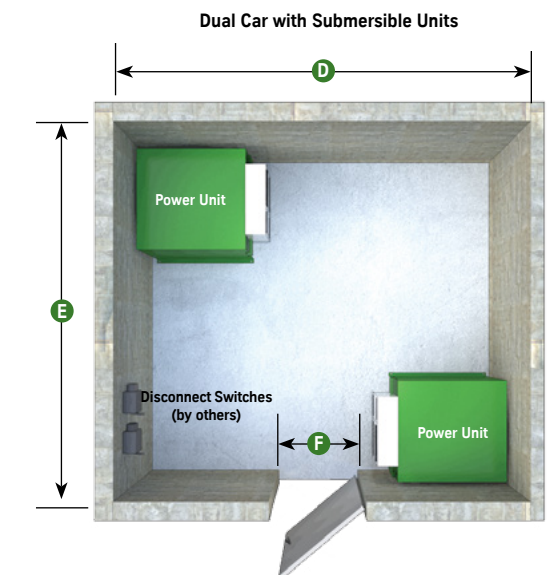
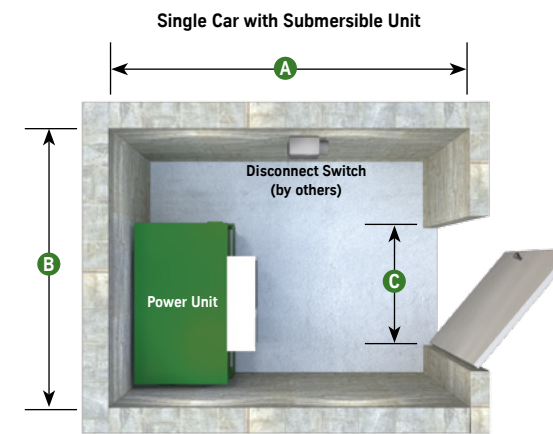
⁵ Dimension shown is based on suspended ceiling design. An increase in cab height will result in an increase in overhead requirements.

⁶ Provided and installed by others, as directed by the local TKE office. Clear overhead is shown to the bottom of the safety beam.

Dimensional data shown above is for both seismic and non-seismic zones and complies with current ASME A17.1 and CSA B44 Safety Code for Elevators. Local codes may vary from the national codes. Consult your ThyssenKrupp Elevator representative for details.

Machine Room Requirements

- Your **endura** system determines the machine room you'll need
- The most desirable machine room location is on the lowest floor served, adjacent to the elevator hoistway (may be remote from hoistway if needed)
- Contact your local representative to determine your needs



Single-Car

| Power Unit | A | B | C ¹ |
|---------------------|--------|--------|----------------|
| Submersible (Small) | 6'-5" | 6'-1" | 3'-6" |
| Submersible (Large) | 7'-2" | 7'-1½" | 4'-0" |
| Dry (Small) | 7'-10" | 5'-6" | 3'-6" |
| Dry (Large) | 9'-10" | 5'-6" | 4'-0" |

Dual-Car

| Power Unit | D | E | F ¹ |
|---------------------|---------|---------|----------------|
| Submersible (Small) | 9'-5" | 9'-5" | 3'-6" |
| Submersible (Large) | 10'-5½" | 10'-5½" | 4'-0" |
| Dry (Small) | 10'-8" | 6'-6" | 3'-6" |
| Dry (Large) | 14'-7" | 7'-0¾" | 4'-0" |

¹ Clear opening.


² AP1 units pump up to 215 gallons per minute. AP2 units pump from 216 gallons to 350 gallons per minute.

Less space. Less energy. More flexibility.

Efficient to the core.

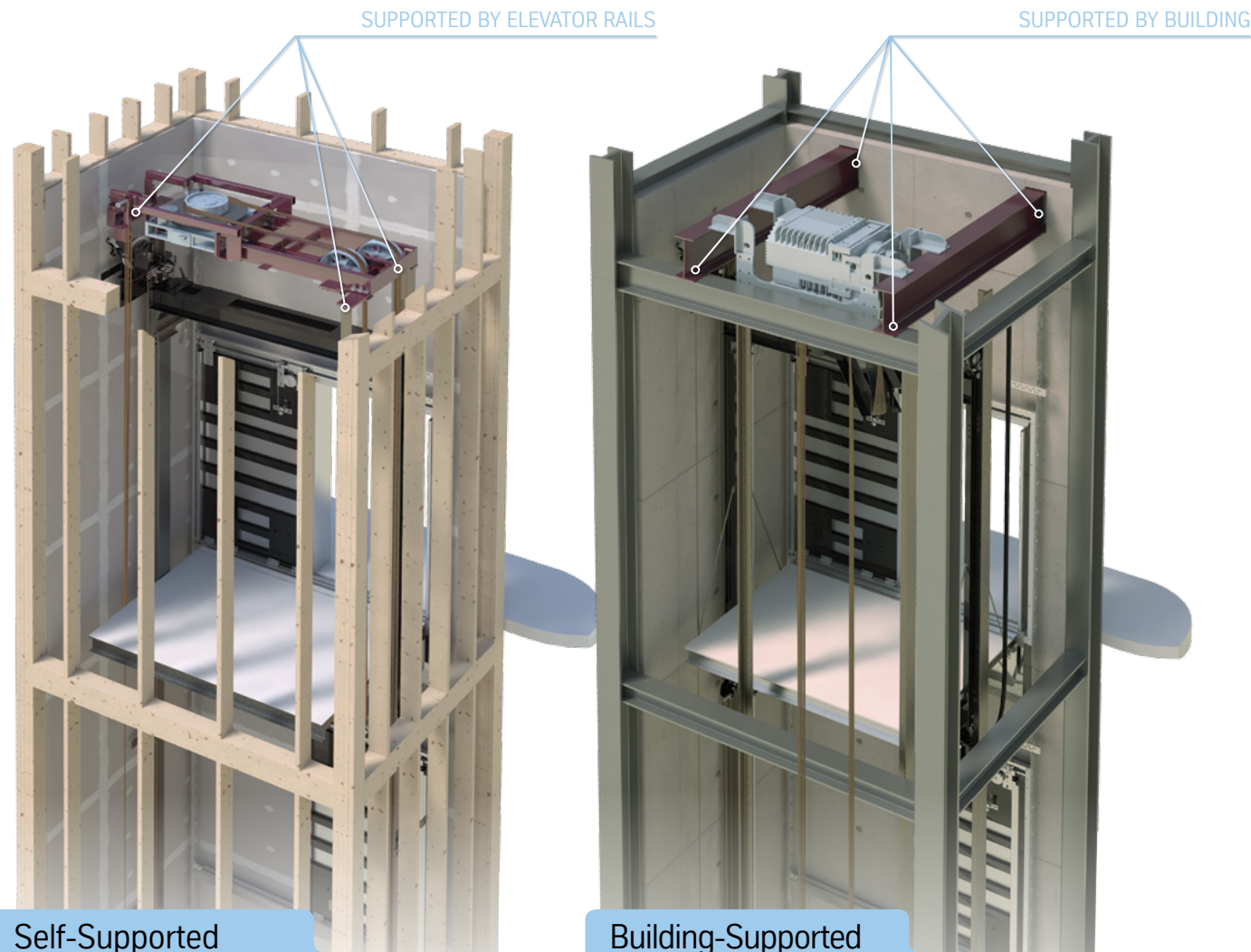
Today's low- to mid-rise buildings are more innovative than ever, from how much energy they consume to how much space they occupy. The building's core transportation system should be just as innovative. **synergy** provides you with greater flexibility in configuration, load capacity, and speed, while its machine room-less design allows you to maximize building space. **synergy** also features our advanced regenerative drive technology, which captures generated power and feeds it back into the building's electrical grid, reducing energy costs.

- Ideal solution for low- to mid-rise buildings
- Self-supported or building-supported configurations
- Saves up to 120 square feet of space traditionally allocated for a machine room
- Reduces energy consumption
- Features TAC series digital controller for optimum elevator performance
- AC gearless machine for greater efficiency and durability
- Variety of standard and customizable cab interiors and fixtures to match your building design
- UL-validated, low-emitting materials exceed stringent green requirements for indoor air quality
- ADA compliant
- Meets ASME A17.1 Safety Code for Elevators and Escalators

The logo for synergy, featuring the word "synergy" in a blue, lowercase, sans-serif font. A small red dot is positioned above the letter 'y' and another red dot is positioned below the letter 'y'.

Which is Right for You?

Our **synergy** elevators come in two different configurations: self-supported and building-supported. Read below to learn about each and discover which is right for your building.



Self-Supported

This configuration is engineered to allow the loads imposed by the elevator system to be transferred from the machine at the top of the hoistway, down the guide rails, to the pit below. This approach makes the self-supported application ideal for:

- Wood or similar construction not intended to carry the loads of an elevator system
- Buildings with total floor travel up to 85'-0"
- Elevators capacity up to 3500 lbs
- Elevator speeds of 150 fpm
- Standard cab finishes and flooring

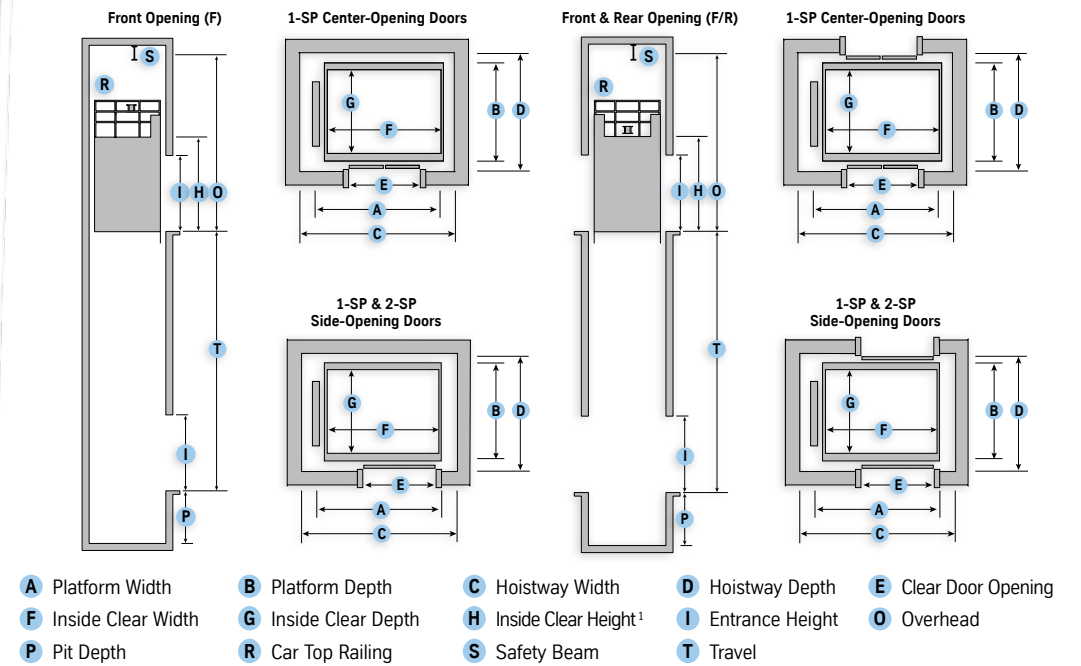
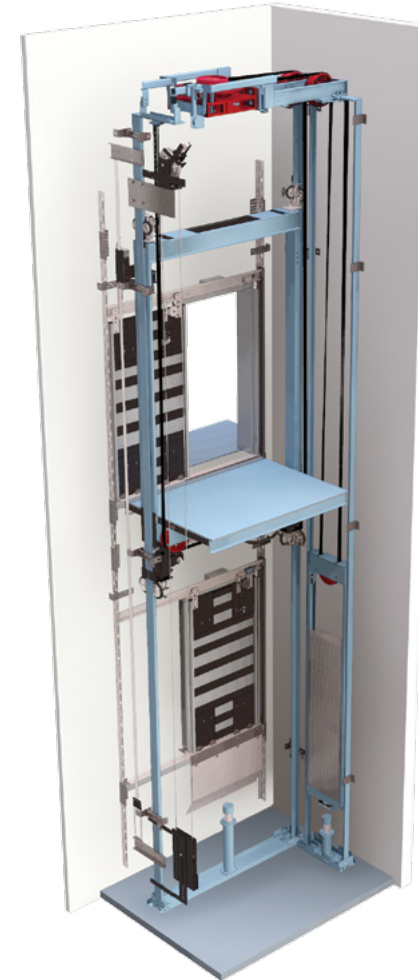
Building-Supported

This configuration requires structural support by the building. As a result, this elevator is able to achieve faster speeds and higher capacities, making the building-supported application ideal for:

- Steel, concrete or other construction methods capable of carrying the loads of an elevator system
- Buildings with total floor travel up to 300'-0"
- Elevator capacity up to 5000 lbs
- Elevator speeds up to 500 fpm
- Premium cab finishes and flooring

Self-Supported

- Travel: up to 85'-0"
- Speed: 150 fpm
- Capacity: 2100-3500 lbs
- Cab Design: Standard



Self-Supported

| Cap (lbs) | Platform A x B | Hoistway ² C x D | Front/Rear | Inside Clear F x G | Door Type | Door Width E | Min OH ⁷ O |
|-------------------|-----------------|------------------------------|------------|--------------------|-----------|--------------|-----------------------|
| 2100 ³ | 6'-0" x 5'-1" | 7'-4" x 5'-9" ⁵ | F | 5'-8" x 4'-3" | 1-SP | 3'-0" | 13'-0" |
| 2100 ³ | N/A | N/A | F/R | N/A | N/A | N/A | N/A |
| 2500 | 7'-0" x 5'-1" | 8'-4" x 5'-9" ⁵ | F | 6'-8" x 4'-3" | 1-SP | 3'-6" | 13'-0" |
| 2500 | 7'-0" x 5'-8¼" | 8'-4" x 6'-8¾" ⁶ | F/R | 6'-8" x 4'-3½" | 1-SP | 3'-6" | 13'-0" |
| 3000 | 7'-0" x 5'-7" | 8'-4" x 6'-3" ⁵ | F | 6'-8" x 4'-9" | 1-SP | 3'-6" | 13'-4" |
| 3000 | 7'-0" x 6'-2¼" | 8'-4" x 7'-2¾" ⁶ | F/R | 6'-8" x 4'-9½" | 1-SP | 3'-6" | 13'-4" |
| 3500 ⁴ | 7'-0" x 6'-3" | 8'-4" x 6'-11" ⁵ | F | 6'-8" x 5'-5" | 1-SP | 3'-6" | 13'-4" |
| 3500 ⁴ | 7'-0" x 6'-10¼" | 8'-4" x 7'-10¾" ⁶ | F/R | 6'-8" x 5'-5½" | 1-SP | 3'-6" | 13'-4" |

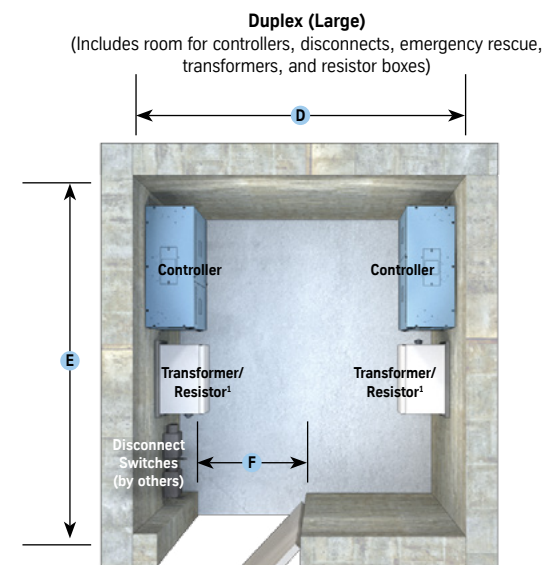
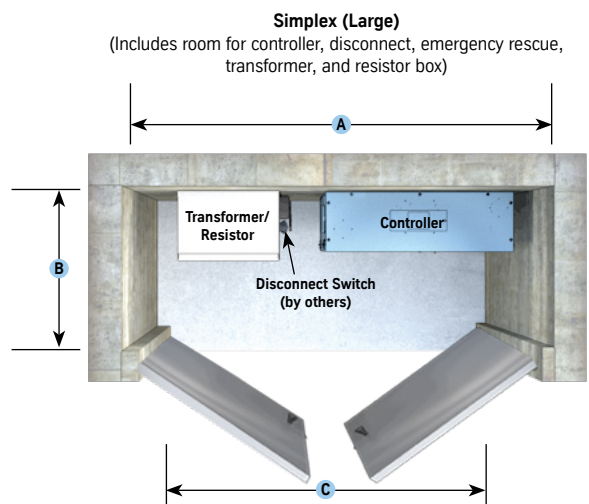
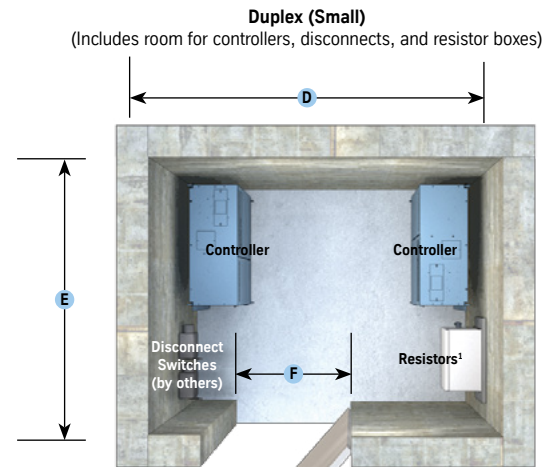
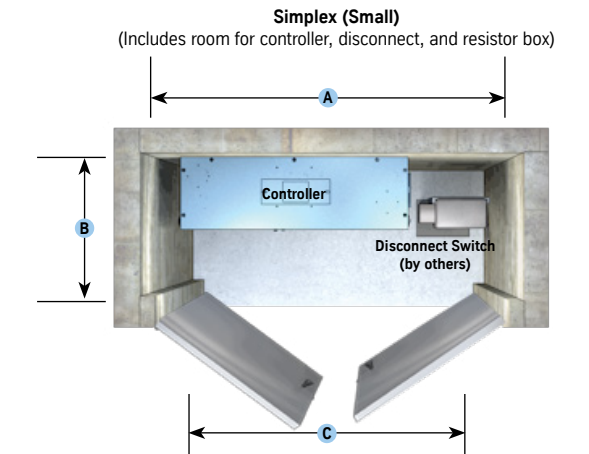
- P** Pit Depth: 5'-0"
- H** Inside Clear Cab Height: 7'-2¾" ¹
- S** Safety Beam Required per OSHA 1926.502⁸

¹ Inside clear cab heights of 8'-2¾" and 9'-2¾" also available. Dimension shown is based on suspended ceiling design. An increase in cab height will result in an increase in overhead requirements.
² Pocket required for pit ladder with standard hoistway sizes.
³ This capacity is not available with center-opening doors.
⁴ To meet the requirements of IBC code for 84" stretchers, a 3'-6" side-opening door is required.
⁵ For Seismic Zones 2 or greater, add 4" to hoistway width and 1" to hoistway depth.
⁶ For Seismic Zones 2 or greater, add 4" to hoistway width.
⁷ Overhead requirements increase by 2" with groups of two or more cars and/or seismic conditions. For areas enforcing pre-2008 ASME A17.1 Safety Code for Elevators, contact your local representative for overhead requirements.
⁸ Provided and installed by others, as directed by the local TKE office. Clear overhead is shown to the bottom of the safety beam.

Dimensional data shown above is for non-seismic zones and complies with current ASME A17.1 and CSA B44 Safety Code for Elevators. Local codes may vary from the national codes. Consult your ThyssenKrupp Elevator representative for details.

Self-Supported Controller Closets

- The features of your **synergy** system determine the controller closet you'll need
- The most desirable controller closet location is on the top floor served, adjacent to the elevator hoistway (but may be located up to 150'-0" from motor)
- Contact your local representative to determine your needs



| Simplex ² | | | |
|----------------------|-------|-------|-------|
| Size | A | B | C |
| Small | 4'-4" | 1'-8" | 4'-0" |
| Large | 6'-6" | 2'-6" | 6'-0" |

Dimensional data shown above is for both seismic and non-seismic zones and complies with current ASME A17.1 and CSA B44 Safety Code for Elevators. Local codes may vary from the national codes. Consult your ThyssenKrupp Elevator representative for details.

¹ Devices are stacked in duplex configurations.

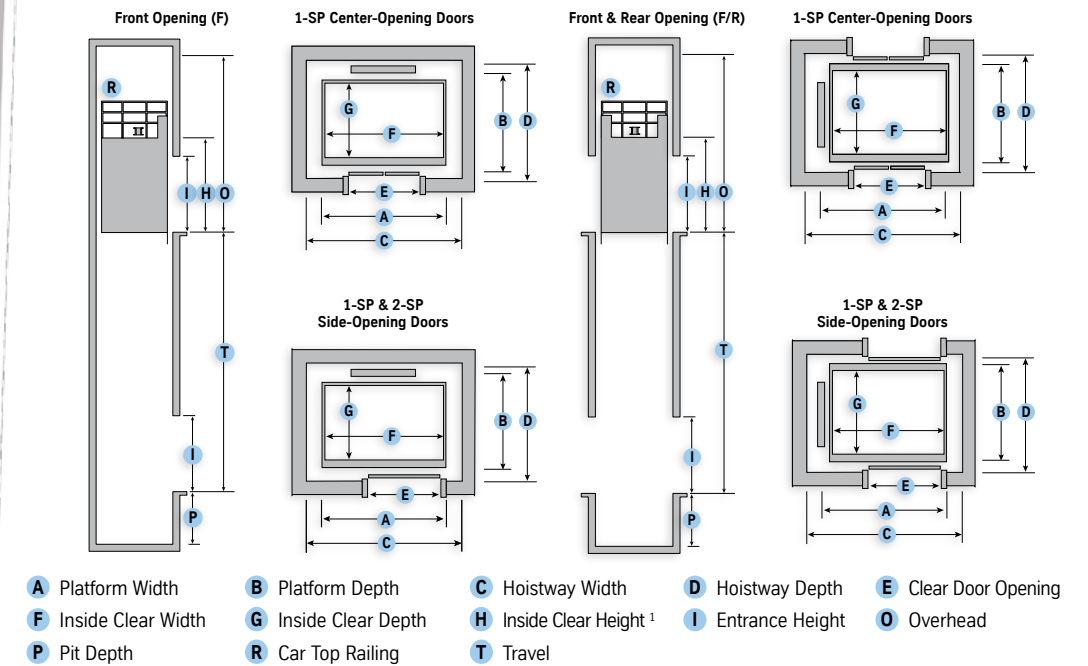
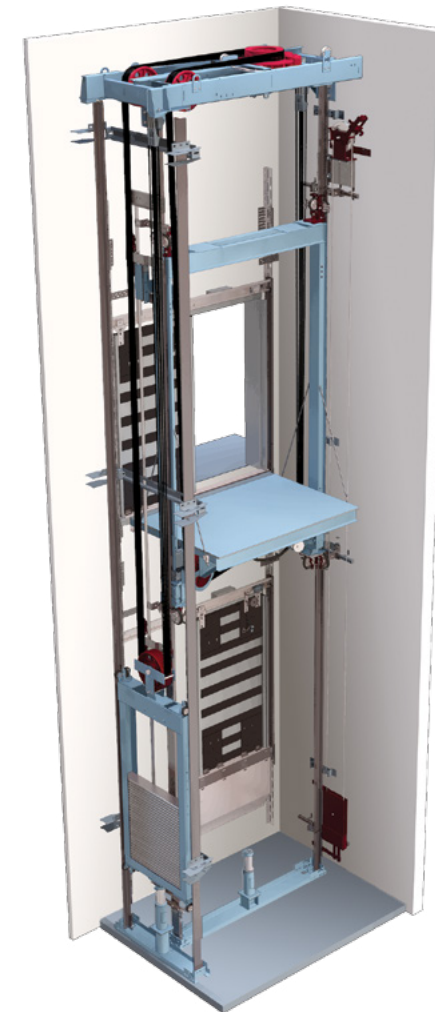
| Duplex ^{2,3} | | | |
|-----------------------|-------|-------|-------|
| Size | D | E | F |
| Small | 7'-0" | 5'-6" | 3'-0" |
| Large | 7'-0" | 7'-8" | 3'-0" |

² Controller closet temperature range 32°F minimum, 104°F maximum. 10-95% non-condensing relative humidity.

³ May also use two separate closets.

Building-Supported

- Travel: up to 300'-0"
- Speed: 200, 350 fpm
- Capacity: 2500-4000 lbs
- Cab Design: Standard or Premium



Standard Series

| Cap (lbs) | Platform A B | Hoistway C D | Front/Rear | Inside Clear F G | Door Type | Door Width E |
|---------------------|-----------------|-------------------------------|------------|------------------|-----------|---------------|
| 2500 | 7'-0" x 5'-1" | 8'-4" x 6'-8" ⁴ | F | 6'-8" x 4'-3" | 1-SP | 3'-6" |
| 2500 | 7'-0" x 5'-8¼" | 9'-2" x 6'-8¾" ⁵ | F/R | 6'-8" x 4'-3½" | 1-SP | 3'-6" |
| 3000 | 7'-0" x 5'-7" | 8'-4" x 7'-2" ⁴ | F | 6'-8" x 4'-9" | 1-SP | 3'-6" |
| 3000 | 7'-0" x 6'-2¼" | 9'-2" x 7'-2¾" ⁵ | F/R | 6'-8" x 4'-9½" | 1-SP | 3'-6" |
| 3500 ² | 7'-0" x 6'-3" | 8'-4" x 7'-10" ⁴ | F | 6'-8" x 5'-5" | 1-SP | 3'-6" |
| 3500 ² | 7'-0" x 6'-10¼" | 9'-2" x 7'-10¾" ⁵ | F/R | 6'-8" x 5'-5½" | 1-SP | 3'-6" |
| 4000 ^{2,3} | 8'-0" x 6'-3" | 9'-4" x 7'-10" ⁴ | F | 7'-8" x 5'-5" | 1-SP | 3'-6" / 4'-0" |
| 4000 ^{2,3} | 8'-0" x 6'-10¼" | 10'-2" x 7'-10¾" ⁵ | F/R | 7'-8" x 5'-5½" | 1-SP | 3'-6" / 4'-0" |

- P** Pit Depth:
• 200 fpm: 5'-0"
• 350 fpm: 5'-5"

- O** Minimum Overhead:
• 200 fpm: 14'-9"
• 350 fpm: 15'-5"

- H** Inside Clear Cab Height: 7'-2¾"¹

¹ Inside clear cab heights up to 9'-2¾" available in 1" increments. Dimension shown is based on suspended ceiling design. An increase in cab height will result in an increase in overhead requirements.

² To meet the requirements of IBC code for 84" stretchers, a 4'-0" center-opening (for 4000 lb capacity only) or 3'-6" side-opening (for 3500 lb or 4000 lb capacity) door is required.

³ 200 fpm unavailable for 4000 lb capacity.

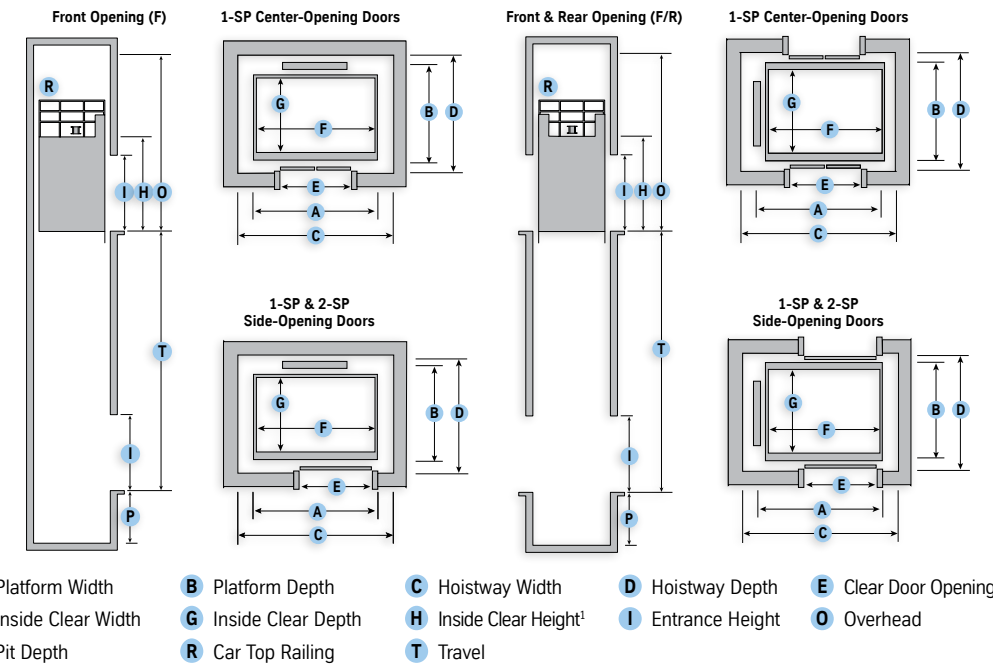
⁴ For Seismic Zones 2 or greater, add 2" to hoistway width.

⁵ For Seismic Zones 2 or greater, add 4" to hoistway width.

Dimensional data shown above is for non-seismic zones and complies with current ASME A17.1 and CSA B44 Safety Code for Elevators. Local codes may vary from the national codes. Consult your ThyssenKrupp Elevator representative for details.

Building-Supported

- Travel: up to 300'-0"
- Speed: 200, 350, 500 fpm
- Capacity: 2100-5000 lbs
- Cab Design: Standard, Premium, or Custom



Performance Series

| Cap (lbs) | Platform A x B | Hoistway C x D | Front/Rear | Inside Clear F x G | Door Type | Door Width E |
|--------------------|--------------------|----------------------------------|------------|--------------------|-----------|---------------|
| 2100 ² | 6'-0" x 5'-1" | 7'-4" x 6'-8" ⁵ | F | 5'-8" x 4'-3" | 1-SP | 3'-0" |
| 2100 | N/A | N/A | F/R | N/A | N/A | N/A |
| 2500 | 7'-0" x 5'-1" | 8'-4" x 6'-8" ⁵ | F | 6'-8" x 4'-3" | 1-SP | 3'-6" |
| 2500 | 7'-0" x 5'-8 1/4" | 9'-2" x 6'-8 3/4" ⁶ | F/R | 6'-8" x 4'-3 1/2" | 1-SP | 3'-6" |
| 3000 | 7'-0" x 5'-7" | 8'-4" x 7'-2" ⁵ | F | 6'-8" x 4'-9" | 1-SP | 3'-6" |
| 3000 | 7'-0" x 6'-2 1/4" | 9'-2" x 7'-2 3/4" ⁶ | F/R | 6'-8" x 4'-9 1/2" | 1-SP | 3'-6" |
| 3500 ³ | 7'-0" x 6'-3" | 8'-4" x 7'-10" ⁵ | F | 6'-8" x 5'-5" | 1-SP | 3'-6" |
| 3500 ³ | 7'-0" x 6'-10 1/4" | 9'-2" x 7'-10 3/4" ⁶ | F/R | 6'-8" x 5'-5 1/2" | 1-SP | 3'-6" |
| 4000 ³ | 8'-0" x 6'-3" | 9'-4" x 7'-10" ⁵ | F | 7'-8" x 5'-5" | 1-SP | 3'-6" / 4'-0" |
| 4000 ³ | N/A | N/A | F/R | N/A | N/A | N/A |
| 4500 ⁴ | 6'-0" x 8'-9" | 8'-2" x 9'-8" ⁶ | F | 5'-8" x 7'-9 1/2" | 2-SP | 4'-0" / 4'-6" |
| 4500 ⁴ | 6'-0" x 9'-5 3/4" | 8'-2" x 10'-9 1/4" ⁶ | F/R | 5'-8" x 7'-10" | 2-SP | 4'-0" / 4'-6" |
| 5000 ⁴ | 6'-0" x 9'-4 1/2" | 8'-2" x 10'-2" ⁶ | F | 5'-8" x 8'-5" | 2-SP | 4'-0" / 4'-6" |
| 5000 ⁴ | 6'-0" x 10'-1 1/4" | 8'-2" x 11'-4 3/4" ⁶ | F/R | 5'-8" x 8'-5 1/2" | 2-SP | 4'-0" / 4'-6" |
| 5000H ⁴ | 6'-0" x 9'-11 1/2" | 8'-2" x 10'-9" ⁶ | F | 5'-8" x 9'-0" | 2-SP | 4'-0" / 4'-6" |
| 5000H ⁴ | 6'-0" x 10'-8 1/4" | 8'-2" x 11'-11 3/4" ⁶ | F/R | 5'-8" x 9'-0 1/2" | 2-SP | 4'-0" / 4'-6" |

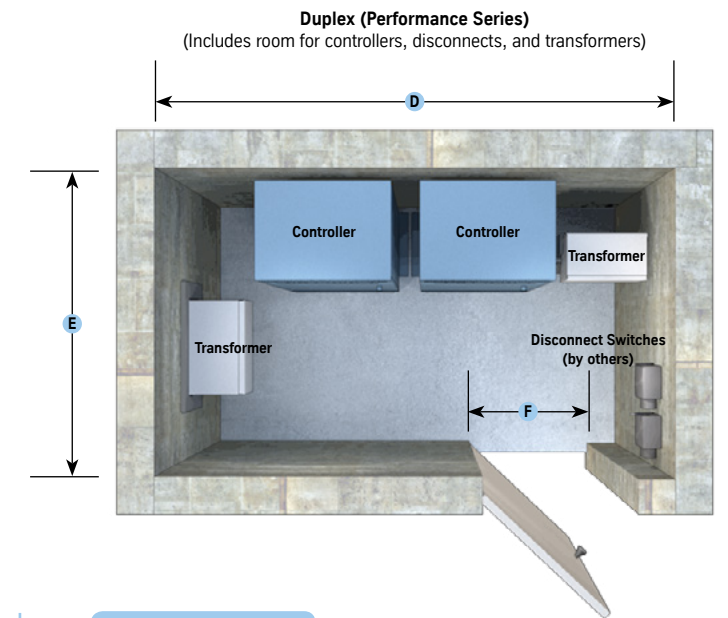
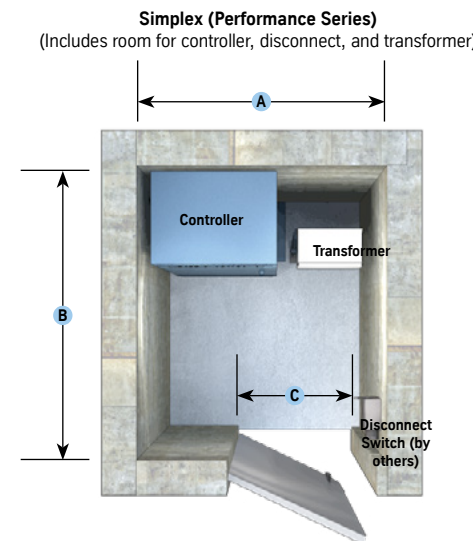
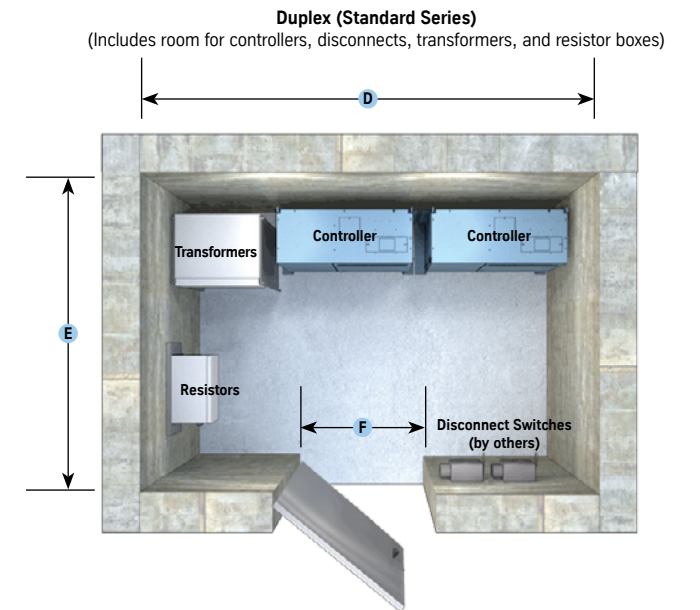
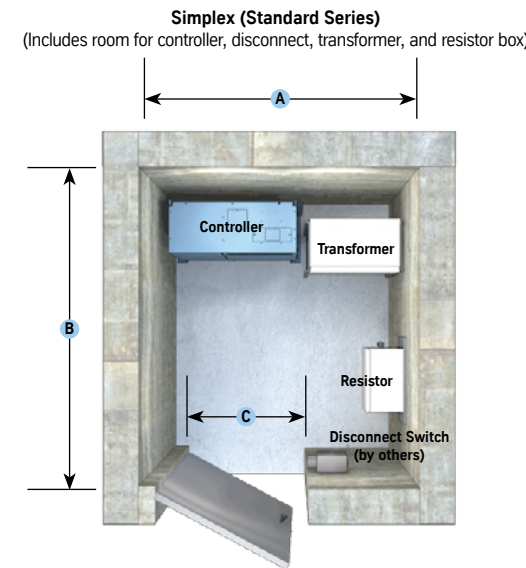
- P** Pit Depth:
 - 200 fpm: 5'-0"
 - 350 fpm: 5'-0"
 - 500 fpm: 6'-6"
- O** Minimum Overhead:
 - 200 fpm: 16'-0" (for front-opening 2100-4000 lb capacities only), 16'6" (for front/rear-opening 2100-4000 lb capacities and all 4500-5000 lb capacities)
 - 350 fpm: 16'-4"
 - 500 fpm: 17'-6"
- H** Inside Clear Cab Height: 7'-4" ¹

¹ Inside clear cab heights available in 1" increments. Dimension shown is based on suspended ceiling design. An increase in cab height will result in an increase in overhead requirements.
² This capacity is not available with center-opening doors.
³ To meet the requirements of IBC code for 84" stretchers, a 4'-0" center-opening (for 4000 lb capacity only) or 3'-6" side-opening (for 3500 lb or 4000 lb capacity) door is required.
⁴ With optional 4'-6" two-speed side-opening door, hoistway width becomes 8'-2".
⁵ For Seismic Zones 2 or greater, add 4" to hoistway width and 2" to hoistway depth.
⁶ For Seismic Zones 2 or greater, add 7" to hoistway width.

Dimensional data shown above is for non-seismic zones and complies with current ASME A17.1 and CSA B44 Safety Code for Elevators. Local codes may vary from the national codes. Consult your ThyssenKrupp Elevator representative for details.

Building-Supported Controller Closets

- The type of your **synergy** system determine the controller closet you'll need
- The most desirable controller closet location is on the top floor served, adjacent to the elevator hoistway (but may be located up to 150'-0" from motor)
- Contact your local representative to determine your needs



| Size | A | B | C |
|-------------|-------|--------|-------|
| Standard | 5'-6" | 6'-4" | 3'-0" |
| Performance | 5'-0" | 5'-11" | 3'-0" |

| Size | D | E | F |
|-------------|--------|--------|-------|
| Standard | 8'-6" | 6'-0" | 3'-0" |
| Performance | 10'-0" | 5'-11" | 3'-0" |

Controller closet temperature range 32°F minimum, 104°F maximum. 10-95% non-condensing relative humidity.

Speed. Innovation. Freedom.

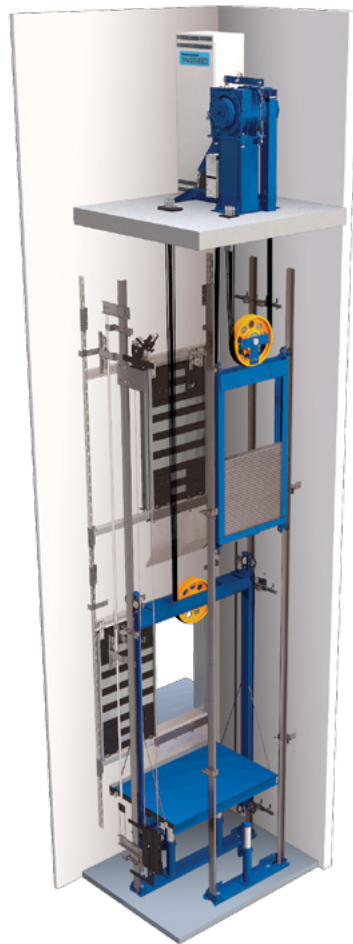
Possibilities taken to new heights.

Every day, high-rise buildings are breaking the barrier on what is possible in construction and design. To match this level of innovation, you need an elevator system that adapts to your vision as quickly as it moves people. **momentum** proves there are no limits. It combines our most advanced technology with the creativity of our most experienced engineers. The result is an elevator that moves with precision and speed, while remaining remarkably energy efficient and reliable.

- Ideal solution for mid- to high-rise buildings
- Complete design freedom lets you adapt it to any building situation
- The fastest speeds available in the vertical transportation industry
- Reduces energy consumption
- Features TAC series digital controller for optimum elevator performance
- AC gearless machine for greater efficiency and durability
- Variety of standard and customizable cab interiors and fixtures to match your building design
- UL-validated, low-emitting materials exceed stringent green requirements for indoor air quality
- ADA compliant
- Meets ASME 17.1 Safety Code for Elevators and Escalators

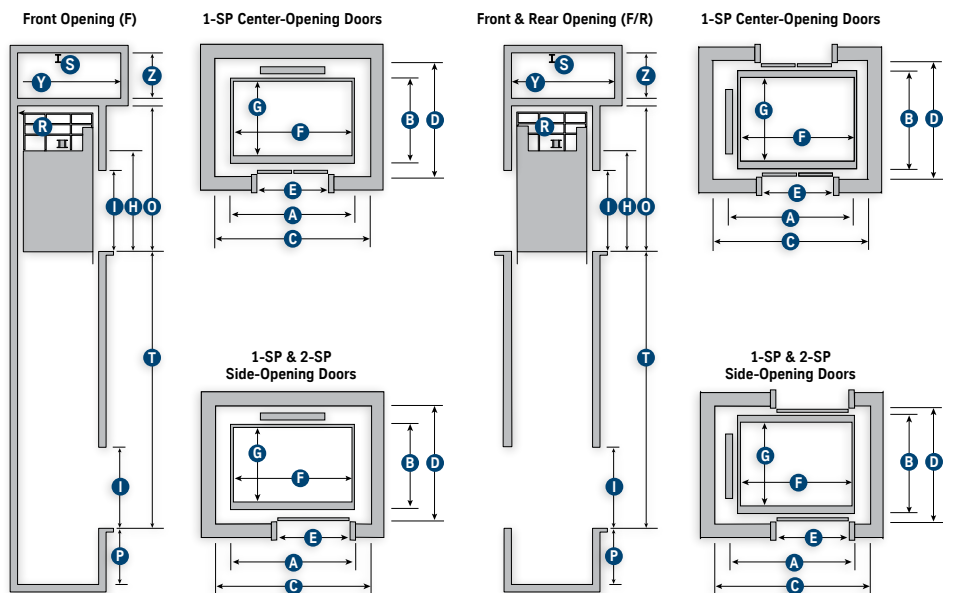
momentum

➔ TRACTION



AC Gearless

- Travel: up to 300'-0"
- Speed: 350, 500 fpm
- Capacity: 2100-5000 lbs



- A** Platform Width
- B** Platform Depth
- C** Hoistway Width
- D** Hoistway Depth
- E** Clear Door Opening
- F** Inside Clear Width
- G** Inside Clear Depth
- H** Inside Clear Height
- I** Entrance Height
- O** Overhead
- P** Pit Depth
- R** Car Top Railing
- S** Safety Beam
- T** Travel
- Y** MR Length
- Z** MR Height

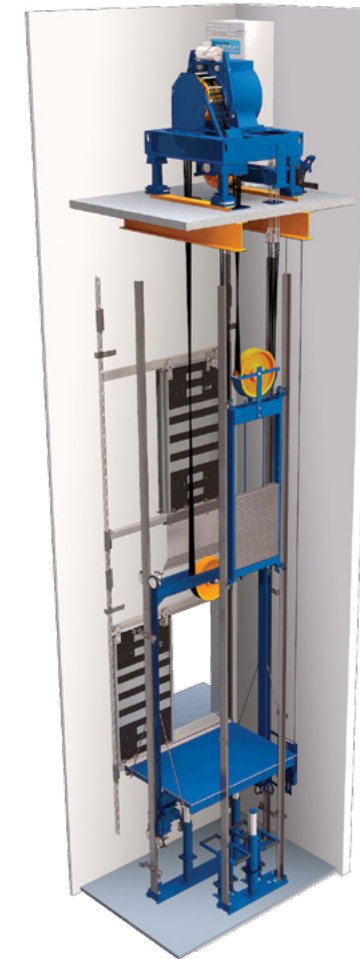
Standard Series

| Cap (lbs) | Platform A x B | Hoistway C x D | Front/Rear | Inside Clear F x G | Door Type | Door Width E |
|-------------------|-----------------|-------------------------------|------------|--------------------|-----------|---------------|
| 2100 ¹ | 6'-0" x 5'-1" | 7'-4" x 6'-8" ³ | F | 5'-8" x 4'-3" | 1-SP | 3'-0" |
| 2100 | N/A | N/A | F/R | N/A | N/A | N/A |
| 2500 | 7'-0" x 5'-1" | 8'-4" x 6'-8" ³ | F | 6'-8" x 4'-3" | 1-SP | 3'-6" |
| 2500 | 7'-0" x 5'-8¼" | 9'-2" x 6'-8¾" ⁴ | F/R | 6'-8" x 4'-3½" | 1-SP | 3'-6" |
| 3000 | 7'-0" x 5'-7" | 8'-4" x 7'-2" ³ | F | 6'-8" x 4'-9" | 1-SP | 3'-6" |
| 3000 | 7'-0" x 6'-2¼" | 9'-2" x 7'-2¾" ⁴ | F/R | 6'-8" x 4'-9½" | 1-SP | 3'-6" |
| 3500 ² | 7'-0" x 6'-3" | 8'-4" x 7'-10" ³ | F | 6'-8" x 5'-5" | 1-SP | 3'-6" |
| 3500 ² | 7'-0" x 6'-10¼" | 9'-2" x 7'-10¾" ⁴ | F/R | 6'-8" x 5'-5½" | 1-SP | 3'-6" |
| 4000 ² | 8'-0" x 6'-3" | 9'-4" x 7'-10" ³ | F | 7'-8" x 5'-5" | 1-SP | 3'-6" / 4'-0" |
| 4000 ² | N/A | N/A | F/R | N/A | N/A | N/A |
| 4500 | 6'-0" x 8'-9" | 8'-1" x 9'-8" ³ | F | 5'-8" x 7'-9½" | 2-SP | 4'-0" / 4'-6" |
| 4500 | 6'-0" x 9'-5¾" | 8'-1" x 10'-9¼" ⁴ | F/R | 5'-8" x 7'-10" | 2-SP | 4'-0" / 4'-6" |
| 5000 | 6'-0" x 9'-4½" | 8'-1" x 10'-2" ³ | F | 5'-8" x 8'-5" | 2-SP | 4'-0" / 4'-6" |
| 5000 | 6'-0" x 10'-1¼" | 8'-1" x 11'-4¾" ⁴ | F/R | 5'-8" x 8'-5½" | 2-SP | 4'-0" / 4'-6" |
| 5000H | 6'-0" x 9'-11½" | 8'-3" x 10'-9" ³ | F | 5'-8" x 9'-0" | 2-SP | 4'-0" / 4'-6" |
| 5000H | 6'-0" x 10'-8¼" | 8'-3" x 11'-11¾" ⁴ | F/R | 5'-8" x 9'-0½" | 2-SP | 4'-0" / 4'-6" |

Dimensional data shown above is for non-seismic zones and complies with current ASME A17.1 and CSA B44 Safety Code for Elevators. Local codes may vary from the national codes. Consult your ThyssenKrupp Elevator representative for details.

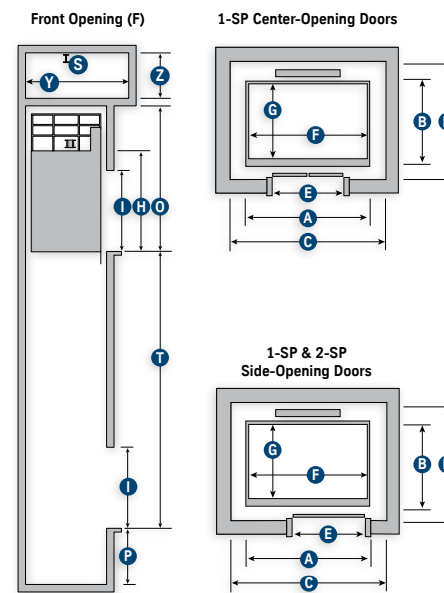
- P** Pit Depth:
 - 350 fpm: 5'-0"
 - 500 fpm: 6'-6"
- O** Minimum Overhead:
 - 350 fpm: 15'-3"
 - 500 fpm: 16'-6"
- H** Inside Clear Cab Height: 7'-4"⁵
- S** Safety Beam Required per OSHA 1926.502⁶
- Y** Minimum Machine Room Length:
 - 2100-4000 lbs: 16'-0"
 - 4500-5000 lbs: 19'-0"
- Z** Minimum Machine Room Height: 7'-6"

¹ This capacity is not available with center-opening doors.
² To meet the requirements of IBC code for 84" stretchers, a 4'-0" center-opening (for 4000 lb capacity only) or 3'-6" side-opening (for 3500 lb or 4000 lb capacity) door is required.
³ For seismic conditions, add 4" to hoistway width and 3" to hoistway depth.
⁴ For seismic conditions, add 4¼" to hoistway width.
⁵ Dimension shown is based on suspended ceiling design. An increase in cab height will result in an increase in overhead requirements.
⁶ Provided and installed by others, as directed by the local TKE office. Clear overhead is shown to the bottom of the safety beam.



AC Gearless

- Travel: 825'-0"
- Speed¹: 700, 1000, 1200 fpm
- Capacity: 2500-4000 lbs



- A** Platform Width
- B** Platform Depth
- C** Hoistway Width
- D** Hoistway Depth
- E** Clear Door Opening
- F** Inside Clear Width
- G** Inside Clear Depth
- H** Inside Clear Height
- I** Entrance Height
- O** Overhead
- P** Pit Depth^{3,4}
- R** Car Top Railing
- S** Safety Beam
- T** Travel
- Y** MR Length
- Z** MR Height

Performance Series

| Cap (lbs) | Platform A x B | Hoistway C x D | Front/Rear | Inside Clear F x G | Door Type | Door Width E |
|-------------------|----------------|-----------------------------|------------|--------------------|-----------|---------------|
| 2500 | 7'-0" x 5'-1" | 8'-4" x 6'-8" ² | F | 6'-8" x 4'-3" | 1-SP | 3'-6" |
| 3000 | 7'-0" x 5'-7" | 8'-4" x 7'-2" ² | F | 6'-8" x 4'-9" | 1-SP | 3'-6" |
| 3500 ¹ | 7'-0" x 6'-3" | 8'-4" x 7'-10" ² | F | 6'-8" x 5'-5" | 1-SP | 3'-6" |
| 4000 ¹ | 8'-0" x 6'-3" | 9'-4" x 7'-10" ² | F | 7'-8" x 5'-5" | 1-SP | 3'-6" / 4'-0" |

Dimensional data shown above is for non-seismic zones and complies with current ASME A17.1 and CSA B44 Safety Code for Elevators. Local codes may vary from the national codes. Consult your ThyssenKrupp Elevator representative for details.

Please contact your local ThyssenKrupp Elevator representative for information regarding:

- Higher capacities
- Faster speeds
- Additional travel
- Front/rear configurations

- P** Pit Depth: ^{3,4}
 - 700 fpm: 6'-6"
 - 1000 fpm: 11'-6"
 - 1200 fpm: 22'-6"
- O** Minimum Overhead:
 - 700 fpm: 20'-0"
 - 1000 fpm: 24'-8"
 - 1200 fpm: 27'-2"
- H** Inside Clear Cab Height: 7'-4"⁵
- S** Safety Beam Required per OSHA 1926.502⁶
- Y** Minimum Machine Room Length: 18'-0"
- Z** Minimum Machine Room Height: 9'-8"

¹ To meet the requirements of IBC code for 84" stretchers, a 4'-0" center-opening (for 4000 lb capacity only) or 3'-6" side-opening (for 3500 lb or 4000 lb capacity) door is required.
² For 1000 fpm speeds, add 2" to hoistway depth. For 1200 fpm speeds, add 2" to hoistway width and 4" to depth. For seismic conditions on 700 fpm speeds, add 4" to hoistway width and 2" to depth. For 1000 and 1200 fpm speeds, add 5" to hoistway width and 4" to depth.
³ Pit Depth based on chain compensation. Add 2'-8" for rope compensation. For 700 fpm, chain compensation available up to 300'-0" of travel. Rope compensation required.
⁴ Per ASME A17.1 rule 2.2.4.2 must have separate pit access door 10'-0" door sill to the pit floor, or 13'-9" from access door sill to pit floor, if there is not a building floor below the terminal floor.
⁵ Dimension shown is based on suspended ceiling design. An increase in cab height will result in an increase in overhead requirements.
⁶ Provided and installed by others, as directed by the local TKE office. Clear overhead is shown to the bottom of the safety beam.



Beautiful. Sustainable. Customizable.

Cab interiors and fixtures designed to impact people, not the environment.

Your elevator is the heart of your building. Its appearance should be as inviting and comfortable as its performance. That's why ThyssenKrupp Elevator cabs are made with fresh yet classic designs using the highest quality materials that can be configured to match the look and feel of your building. We ensure our materials contain only low- or no-VOC-emitting materials, are energy efficient, and can be easily recycled. For a truly unique design, we also offer fully customizable options as well.

- Design packages and customization options to fit every style
- Durable powder coating reduces potential offgassing commonly associated with traditional solvent-based coatings
- UL-validated, low-emitting materials exceed stringent green requirements for indoor air quality
- Wood materials contain no added urea-formaldehyde, improving indoor air quality
- Low-voltage, energy-saving LED lights come standard
- Auto shut-off fans and lights conserve energy

→ THE RIGHT LOOK FOR YOUR BUILDING

Standard Cabs

Panel Design

Mix beauty and practicality with this decorative and durable cab. The panel design is constructed with a high-quality steel shell and vertical raised panels made with a core of urea-formaldehyde-free wood. Choose from a laminate or brushed stainless steel facing.



More options available than what is shown above.¹

Steel Shell Design

Clean and modern flat cab interior designs convey quality. Our durable formed steel-shell cab is available in a variety of powder coat color options or can be upgraded to brushed stainless steel.



More options available than what is shown above.¹

Panel Finish Options



Reveal Finish Options



Shell Finish Options



¹ Carpets by others. Configurations shown above include standard and optional selections.
² Colors may vary. We recommend examining a large selector sheet before making a selection.

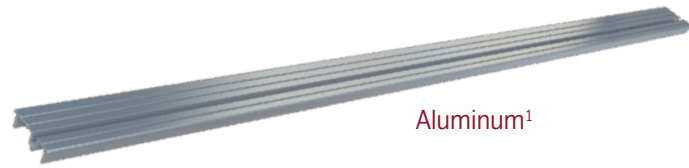
For additional cab design options, visit www.thyssenkruppelevator.com/createcab/index.asp



→ THE RIGHT LOOK FOR YOUR BUILDING

Accessories

Sills



Aluminum¹

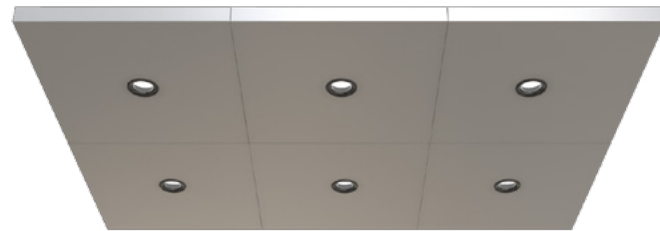


Nickel Silver

Ceilings²



Suspended¹ White translucent diffusers for LED or florescent lighting are available with ceiling frames in a powder coated or stainless steel finish.



Downlight Metal pan downlight ceiling features LED or halogen lighting. Lights are mounted in your choice of powder coated or stainless steel ceiling panels.

Handrails



Cylindrical Continuous¹ 1½" cylindrical handrail is a continuous metal form with ends turned toward the wall. We also offer straight endcaps in lieu of the returned ends. Comes in brushed stainless steel.



Flat Bar Continuous Metal bar handrail is available in ¼" thickness and 2", 4", or 6" widths. Comes in brushed stainless steel.

¹ Comes standard. Finishes may vary based on your project selections.

² Lighting options may vary depending on cab size.

Doors

Door orientation options offer a range of benefits to accommodate varying project needs.



One-speed door The most economical door offering, available with either right- or left-hand opening.



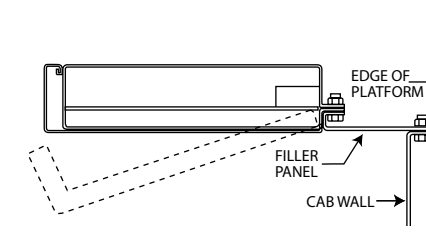
Two-speed door Provides a wider opening without compromising door cycling time. Two doors move in the same direction, one sliding faster than the other. Available with either right- or left-hand opening.



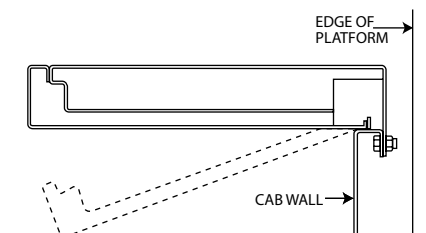
Center-opening door Permits the quickest entry and exit, improving elevator service while giving an attractive, symmetrical appearance.

Front Returns

Fronts include the car station, return panel, and transom. Return types come in brushed stainless steel.



Wrap-around¹ This return features a hinged car operating panel and separate filler panel.



Full-width wrap-around This return features a hinged car operating panel with integral column and filler panel. The swing extends from the cab opening to the cab wall.

¹ Comes standard.

 THE RIGHT LOOK FOR YOUR BUILDING

Premium Cab Designs

An upgrade from our standard panel design interiors, the premium cab line provides thousands of variations of finishes and configurations. Choose from metal, laminate, and glass finishes, as well as panel style and trim options.



Custom Cab Designs

Maintain your flexibility to design without compromise. The custom cab line allows you to create interiors that enhance and compliment your building with no limitations.



See premium cab design options at
www.thyssenkruppelevator.com/createcab/index.asp



→ THE RIGHT LOOK FOR YOUR BUILDING

Signal Fixtures

- Comply with all National Fire Service codes for the U.S. and Canada
- Braille plates feature highly durable, cast tactile markings that meet the most stringent requirements
- Buttons available in red, white, or blue LED illumination

Signa4¹

- Satin stainless-steel finish with charcoal trim
- Allows for renovation of metal finish without requiring removal of box or frame
- Buttons feature blue illumination¹, with red or white optional

- A** Pushbutton
- B** Car Operating Panel
- C** Intermediate Hall Station with Fire Service Devices
- D** Intermediate Hall Station
- E** Intermediate Hall Station, Fire Service & Appendix H/O Signage
- F** Hall Position Indicator
- G** Combo Hall Lantern / Position Indicator
- H** Intermediate Hall Lantern (Domed)
- I** Terminal Hall Lantern (Arrow)



¹ Comes standard.

Traditional

- Faceplates in brushed¹ or polished stainless steel
- Position indicator displays car location with matrix of red, LED-illuminated dots
- Buttons feature white illumination¹, with red or blue optional

- A** Pushbutton
- B** Car Operating Panel
- C** Intermediate Hall Station with Fire Service Devices
- D** Terminal Hall Station, Fire Service & Appendix H/O Signage
- E** Intermediate Hall Lantern (Triangular)
- F** Combo Hall Lantern / Dot-Matrix Position Indicator
- G** Combo Hall Lantern / Round Numeral Position Indicator
- H** Intermediate Hall Station



Vandal-Resistant

- Faceplates in brushed¹ or polished stainless steel
- Extra level of protection in challenging environments
- Pry-resistant hall jamb symbols and buttons are mounted flush with the door frame
- Buttons feature blue illumination¹, with red or white optional

- A** Pushbutton
- B** Car Operating Panel
- C** Intermediate Hall Station with Fire Service Devices
- D** Terminal Hall Station, Fire Service & Appendix H/O Signage
- E** Intermediate Hall Station
- F** Terminal Hall Station with Fire Service Key Switch
- G** Combo Hall Lantern / Position Indicator
- H** Position Indicator with Directional Arrows
- I** Intermediate Hall Lantern (Arrows)
- J** Terminal Hall Lantern (Arrow)



ThyssenKrupp Elevator Locations

UNITED STATES OFFICES

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