Planning Guide

traction
elevators

ThyssenKrupp Elevator

ThyssenKrupp

At ThyssenKrupp Elevator, we believe in the critical importance of listening to our customers. While technological expertise makes our products and services possible, we know that listening to our customers is what keeps us at the top of our industry. That's because our commitment to listening leads to the innovations that satisfy our customers' needs, driving us continually to set new standards for elevator performance and reliability.

Because we always listen to our customers, they have come to regard ThyssenKrupp Elevator as an integral part of their projects. In addition to their confidence in the quality of our products, they know that each of our standard-sized passenger elevators meets the requirements of the Americans with Disabilities Act (ADA) and that we will modify our elevators to comply with local fire service codes. Perhaps most of all, customers rely on our nationwide network of service locations. And even if your building is remotely located, no point in the U.S. is more than 50 miles from a ThyssenKrupp Elevator service technician.

In the field of traction systems, ThyssenKrupp Elevator's designers and engineers can push their technological creativity to its full potential. And they do. Whether geared or gearless, our traction elevators combine the latest digital technology with world-renowned manufacturing expertise to achieve a new level of precision, energy efficiency, safety and reliability. For buildings of up to twenty-seven floors, ThyssenKrupp Elevator's complete line of SPF geared traction elevators are known for their smooth, quick acceleration, high energy efficiency and competitive pricing. ThyssenKrupp Elevator's gearless systems for high-rise buildings are famous for their versatility, power and, above all, speed. Geared or gearless, all of our traction systems utilize the advanced vector control technology of our all-digital centralized microprocessor control systems to move a lot of people in amazingly little time.

Moving a lot of people in a little time, economically, comfortably and reliably - that's what our customers say they want in traction elevators, and that's what we deliver. Please read ahead to learn more.

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Architect Direct

When you're putting together a proposal, we know you don't have all day to spend on the elevator selection. So we've created a solution that enables you to find the right elevator - and get specifications and drawings - as fast as a few clicks of the mouse.

This solution is Architect Direct and you'll find it at thyssenkruppelevator.com. All you have to do is answer a few questions about your building, and Architect Direct will tell you which of our standard elevators is best suited to your project. It's that easy.

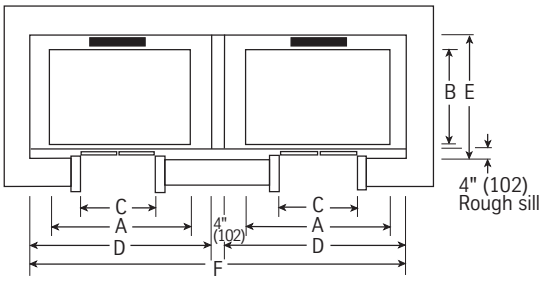
You'll probably want specifications. With a few more clicks, Architect Direct will compile a complete specifications document ready for download in either Microsoft Word or Plain Text format. Drawings? Same idea - you answer a few questions then download your drawings in DSX format.

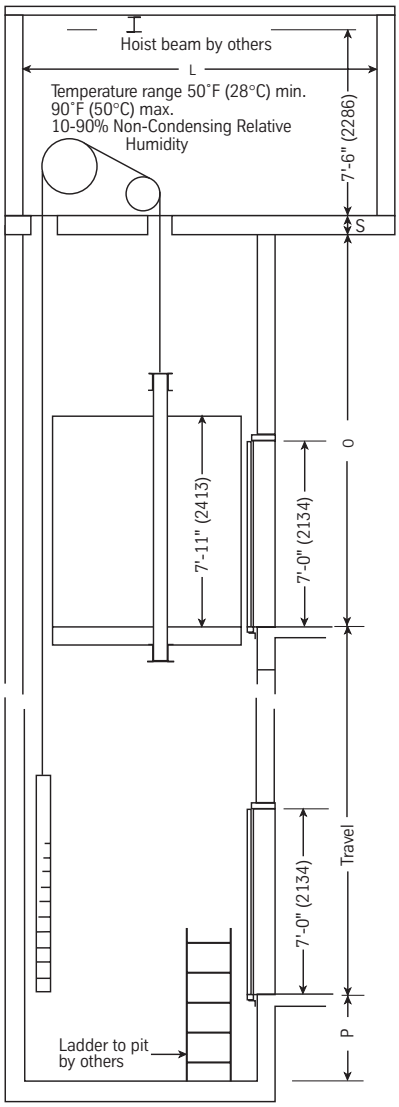
Architect Direct is another ThyssenKrupp Elevator innovation developed out of dialogue with our customers. We invented a faster, smarter way for customers to select the right elevator because that's what our customers asked for. And ever since, they've been telling us how much they like it. We believe you will, too.

For more information, please contact your local ThyssenKrupp Elevator representative or visit www.thyssenkruppelevator.com.

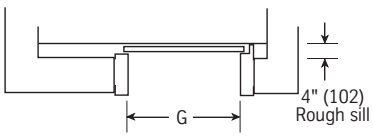
Note: All dimensions in parentheses are in millimeters unless otherwise indicated. Dimensional data shown here comply with the current ASME A17.1 and CSA B44 Safety Code for Elevators. Local codes may vary from the national codes. Consult your local ThyssenKrupp Elevator representative for details.

ThyssenKrupp Elevator offers a complete line of geared traction elevators - SPF. They can serve up to 27 landings and deliver superb performance in office buildings, apartment complexes, dormitories, hotels and other structures. These SPF elevators also provide standard design data, quick layout and fast delivery.





S= Concrete structural support slab by others. Machine room floor to support all elevator machine loads and floor loads per ASME A17.1.



Right hand door shown: left hand available

Sizes and capacities

Model	SPF-21	SPF-25	SPF-30	SPF-35	SPF-40
			Capacity in pounds		
Dimensions	2100 (953 kg)	2500 (1134 kg)	3000 (1361 kg)	3500 (1588 kg)	4000 (1814 kg)
A[1]	5'-8" (1727)	6'-8" (2032)	6'-8" (2032)	6'-8" (2032)	7'-8" (2337)
B[1]	4'-3" (1295)	4'-3" (1295)	4'-9" (1448)	5'-5" (1651)	5'-5" (1651)
C	—	3'-6" (1067)	3'-6" (1067)	3'-6" (1067)	4'-0" (1219)
D[2]	7'-4" (2235)	8'-4" (2540)	8'-4" (2540)	8'-4" (2540)	9'-4" (2845)
E[3]	6'-8" (2032)	6'-8" (2032)	7'-2" (2184)	7'-10" (2388)	7'-10" (2388)
F[4]	15'-0" (4572)	17'-0" (5182)	17'-0" (5182)	17'-0" (5182)	19'-0" (5791)
G	3'-0" (914)	3'-6" (1067)	3'-6" (1067)	3'-6" (1067)	—

1 Inside dimensions
2 Single car dimensions (Add 4" (102) for seismic).
3 Add 2" (51) for seismic.
4 Two car dimensions (Add 8" (203) for seismic).

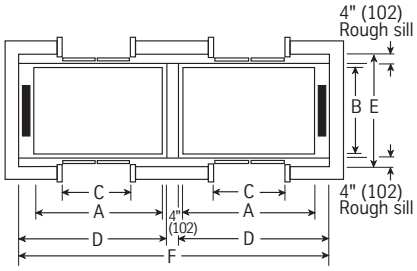
Minimum pit, overhead, machine room dimensions

		Speed feet per minute (fpm)		
Capacity in lbs.	**Dimensions**	200 (1.0m/s)	350 (1.7m/s)	450/500 (2.2/2.5m/s)
2100 (953 kg)	**L**	16'-0" (4877)	16'-0" (4877)	—
	O	15'-0" (4572)	15'-0" (4572)	—
	P[5]	5'-0" (1524)	5'-0" (1524)	—
2500 (1134 kg)	**L**	16'-0" (4877)	16'-0" (4877)	16'-0" (4877)
	O	15'-0" (4572)	15'-0" (4572)	16'-0" (4877)
	P[5]	5'-0" (1524)	5'-0" (1524)	6'-6" (1981)
3000 (1361 kg)	**L**	16'-0" (4877)	16'-0" (4877)	16'-0" (4877)
	O	15'-0" (4572)	15'-8" (4775)	16'-0" (4877)
	P[5]	5'-0" (1524)	5'-0" (1524)	6'-6" (1981)
3500 (1588 kg)	**L**	16'-0" (4877)	16'-0" (4877)	16'-0" (4877)
	O	15'-0" (4572)	15'-8" (4775)	17'-2" (5232)
	P[5]	5'-0" (1524)	5'-0" (1524)	6'-6" (1981)
4000 (1814 kg)	**L**	16'-0" (4877)	16'-0" (4877)	—
	O	15'-0" (4572)	16'-0" (4877)	—
	P[5]	5'-0" (1524)	5'-0" (1524)	—

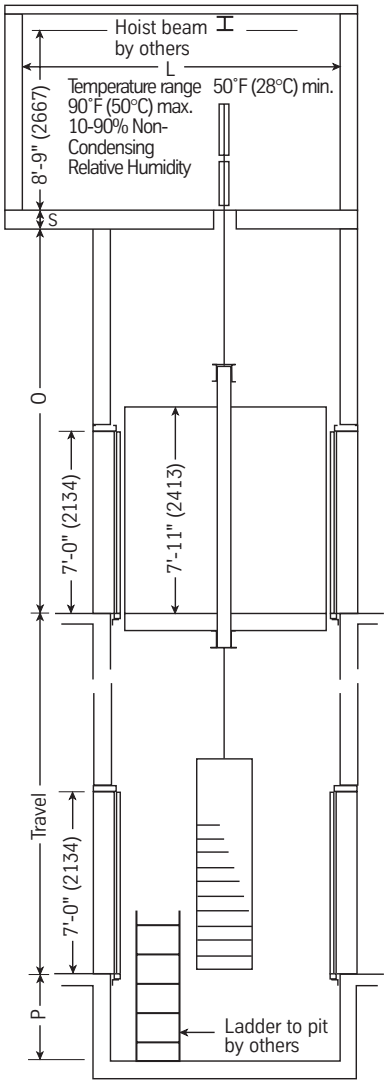
5 Consult ThyssenKrupp Elevator for travel over 250'-0" (76200).

Hoistway dimensions are based on 1" (25) out of plumb and no occupied space below hoistway. If these conditions cannot be met, then consideration must be given for additional required space.

Note: All dimensions in parentheses are in millimeters unless otherwise indicated. Dimensional data shown here comply with the current ASME A17.1 and CSA B44 Safety Code for Elevators. Local codes may vary from the national codes. Consult your local ThyssenKrupp Elevator representative for details.



Right and left hand doors available.



S= Concrete structural support slab by others. Machine room floor to support all elevator machine loads and floor loads per ASME A17.1.

For front and rear entrance configurations in 2500 lb (1134 kg), 3000 lb (1361 kg) & 3500 lb (1588 kg) capacities.

Sizes and capacities

Model	SPF-25	SPF-30	SPF-35
Capacity in lbs.	2500 (1134 kg)	3000 (1361 kg)	3500 (1588 kg)
Dimensions	Plan 2	Plan 2	Plan 2
A[1]	6'-8" (2032)	6'-8" (2032)	6'-8" (2032)
B[1]	4'-3 1/2" (1308)	4'-9 1/2" (1461)	5'-5 1/2" (1664)
C	3'-6" (1067)	3'-6" (1067)	3'-6" (1067)
D[2]	9'-2" (2794)	9'-2" (2794)	9'-2" (2794)
E	6'-8 3/4" (2051)	7'-2 3/4" (2203)	7'-10 3/4" (2406)
F[3]	18'-8" (5690)	18'-8" (5690)	18'-8" (5690)

1 Inside dimensions
2 Single car dimensions (Add 6" (152) for seismic).
3 Two car dimensions (Add 12" (305) for seismic).
Hoistway dimensions are based on 1" (25) out of plumb and no occupied space below hoistway. If these conditions cannot be met, then consideration must be given for additional required space.

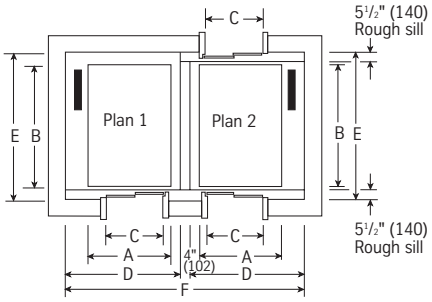
Minimum pit, overhead, machine room dimensions

		Speed feet per minute (fpm)		
Capacity in lbs.	**Dimensions**	200 (1.0m/s)	350 (1.7m/s)	450/500 (2.2/2.5m/s)
2500 (1134 kg)	**L**	16'-0" (4877)	16'-0" (4877)	16'-0" (4877)
	O	15'-0" (4572)	15'-0" (4572)	16'-0" (4877)
	P[5]	5'-0" (1524)	5'-0" (1524)	6'-6" (1981)
3000 (1361 kg)	**L**	16'-0" (4877)	16'-0" (4877)	16'-0" (4877)
	O	15'-0" (4572)	15'-8" (4775)	16'-0" (4877)
	P[5]	5'-0" (1524)	5'-0" (1524)	6'-6" (1981)
3500 (1588 kg)	**L**	16'-0" (4877)	16'-0" (4877)	16'-0" (4877)
	O	15'-0" (4572)	15'-8" (4775)	17'-2" (5232)
	P[5]	5'-0" (1524)	5'-0" (1524)	6'-6" (1981)

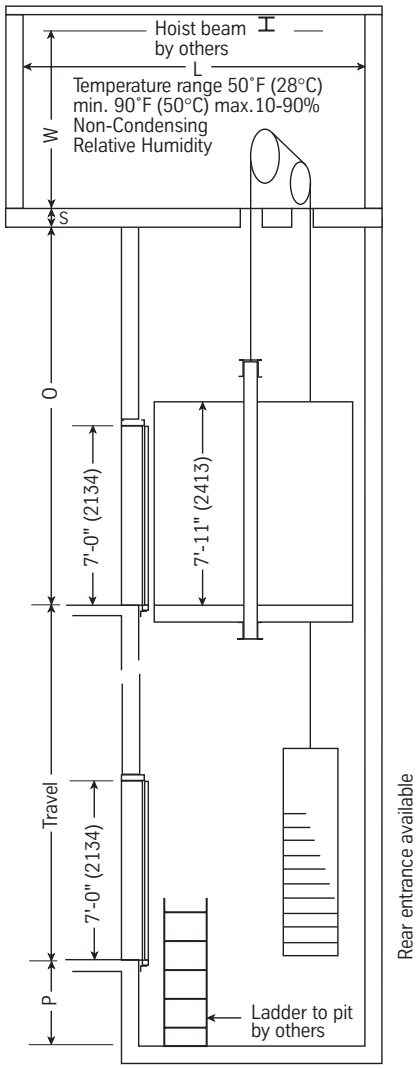
5 6'-0" (1829) min. "P" above 110'-0" (33528) travel. Consult ThyssenKrupp Elevator for travel over 250'-0" (76200).

Note: All dimensions in parentheses are in millimeters unless otherwise indicated. Dimensional data shown here comply with the current ASME A17.1 and CSA B44 Safety Code for Elevators. Local codes may vary from the national codes. Consult your local ThyssenKrupp Elevator representative for details.

These elevators give economical, dependable service in hospitals, nursing homes and intermediate care facilities. The car shape makes them ideal for use in any building where the elevator performs a dual role for passengers and service.



Two-speed doors - both right and left hand available



Sizes and capacities

Model	SPF-45		SPF-50			
Capacity in lbs.	4500 (2041 kg)		5000 (2268 kg)		6000 (2722 kg)	
Dimensions	Plan 1	Plan 2	Plan 1	Plan 2	Plan 1	Plan 2
A[1]	5'-8" (1727)	5'-8" (1727)	5'-8" (1727)	5'-8" (1727)	6'-0" (1829)	6'-0" (1829)
B[1]	7'-9½" (2375)	7'-10" (2388)	8'-5" (2565)	8'-5½" (2578)	9'-5" (2870)	9'-5½" (2883)
C	4'-0" (1219)	4'-0" (1219)	4'-0" (1219)	4'-0" (1219)	5'-0" (1524)	5'-0" (1524)
D[2]	8'-1"▲ (2464)	8'-1"▲ (2464)	8'-1"▲ (2464)	8'-1"▲ (2464)	8'-11"● (2718)	8'-11"● (2718)
E	9'-8" (2946)	10'-9¼" (3283)	10'-2" (3099)	11'-4¾" (3473)	11'-2" (3404)	12'-4¾" (3778)
F[3]	16'-6"■ (5029)	16'-6"■ (5029)	16'-6"■ (5029)	16'-6"■ (5029)	18'-2"♦ (5537)	18'-2"♦ (5537)

Gray background indicates SPF models.

1 Inside dimensions
2 Single car dimensions (Add for seismic ▲ = 4¼" (108) ● = 3" (76).
3 Two car dimensions (Add for seismic ■ = 8½" (216) ♦ = 6" (152).
Hoistway dimensions are based on 1" (25) out of plumb and no occupied space below hoistway. If these conditions cannot be met, then consideration must be given for additional required space.

Minimum pit, overhead, machine room dimensions

		Speed feet per minute		
Capacity in lbs.	**Dimensions**	200 (1.0m/s)	350 (1.7m/s)	450 (2.2m/s)
4500 (2041 kg)	**L**	19'-0" (5791)	19'-0" (5791)	—
	O	15'-0"[6] (4572)	16'-0" (4877)	—
	P[5]	5'-0" (1524)	5'-0" (1524)	—
5000 (2268 kg)	**L**	19'-0" (5791)	19'-0" (5791)	19'-0" (5791)
	O	15'-0"[6] (4572)	16'-0" (4877)	17'-8" (5385)
	P[5]	5'-0" (1524)	5'-0" (1524)	6'-6" (1981)
6000 (2722 kg)	**L**	19'-0" (5791)	19'-0" (5791)	20'-0" (6096)
	O	16'-0" (4877)	17'-0" (5182)	17'-8" (5385)
	P[5]	5'-0" (1524)	5'-0" (1524)	6'-6" (1981)

Gray background indicates SPF models.

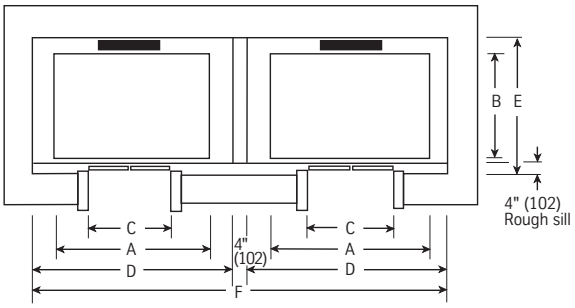
4 6'-0" (1829) min. "P" above 167'-0" (50902) travel. Consult ThyssenKrupp Elevator for travel over 250'-0" (76200).
5 6'-0" (1829) min. "P" above 110'-0" (33528) travel, 200-350 fpm (1.0-1.7 m/s)
6 16'-0" (4877) "O" above 167'-0" (50902) travel.

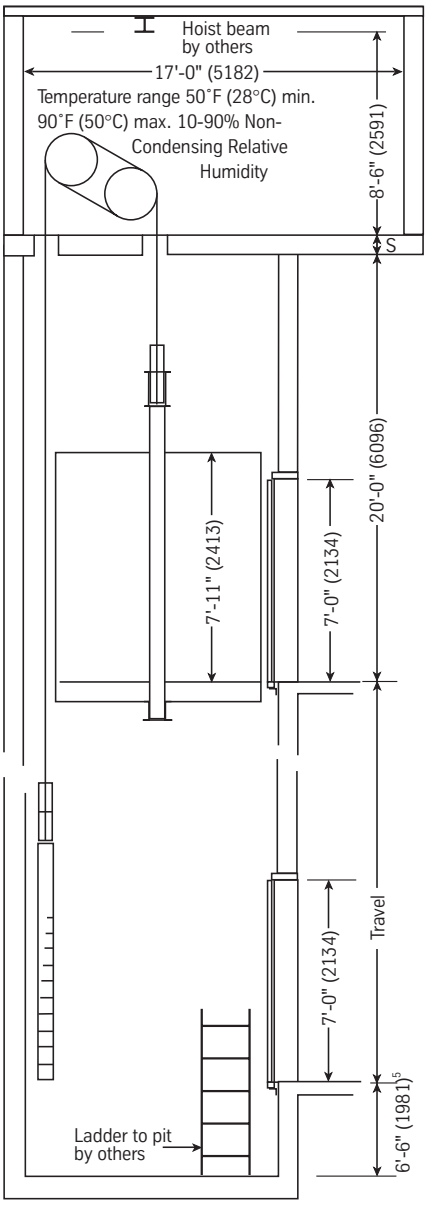
S = Concrete structural support slab by others. Machine room floor to support all elevator machine loads and floor loads per ASME A17.1.

W = 7'-6" (2286) [8'-0" (2438) for 5000 lbs. at 450 fpm and 6000 lbs at all duties.]

Note: All dimensions in parentheses are in millimeters unless otherwise indicated. Dimensional data shown here comply with the current ASME A17.1 and CSA B44 Safety Code for Elevators. Local codes may vary from the national codes. Consult your local ThyssenKrupp Elevator representative for details.

ThyssenKrupp Elevator uses vector control technology to precisely control AC motors at speeds of 500 fpm (2.5 m/s) and 700 fpm (3.6 m/s).





S = Concrete structural support slab by others. Machine room floor to support all elevator machine loads and floor loads per ASME A17.1.

Sizes and capacities

	Capacity in pounds			
Dimensions	2500 (1137 kg)	3000 (1364 kg)	3500 (1591 kg)	4000 (1819 kg)
A[1]	6'-8" (2032)	6'-8" (2032)	6'-8" (2032)	7'-8" (2337)
B[1]	4'-3" (1295)	4'-9" (1448)	5'-5" (1651)	5'-5" (1651)
C	3'-6" (1067)	3'-6" (1067)	3'-6" (1067)	4'-0" (1219)
D[2]	8'-4" (2540)	8'-4" (2540)	8'-4" (2540)	9'-4" (2845)
E[3]	6'-8" (2032)	7'-2" (2184)	7'-10" (2388)	7'-10" (2388)
F[4]	17'-0" (5182)	17'-0" (5182)	17'-0" (5182)	19'-0" (5791)

1 Inside dimensions.
2 Single car dimensions (Add 4" (102) for seismic).
3 Add 2" (51) for seismic.
4 Two car dimensions (Add 8" (203) for seismic).
5 Pit based on chain compensation. Add 2'-8" (813) for rope compensation.

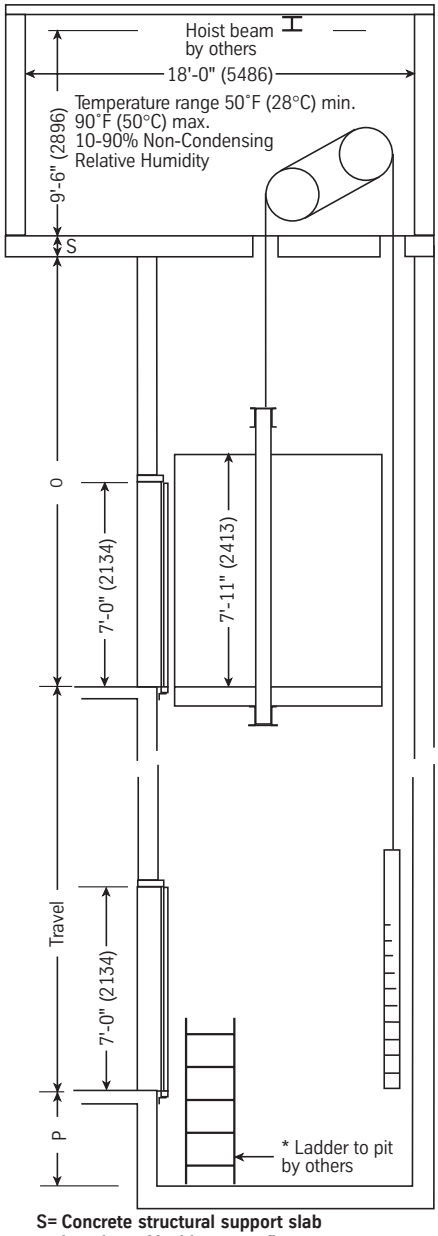
Hoistway dimensions are based on 1" (25) out of plumb and no occupied space below hoistway. If these conditions cannot be met, then consideration must be given for additional required space.

For 500 fpm (2.5 m/s) and 700 fpm (3.6 m/s), chain compensation available up to 300'-0" of travel (91643). Rope compensation required above 300'-0" of travel (91643).

Note: All dimensions in parentheses are in millimeters unless otherwise indicated. Dimensional data shown here comply with the current ASME A17.1 and CSA B44 Safety Code for Elevators. Local codes may vary from the national codes. Consult your local ThyssenKrupp Elevator representative for details.

Standard design gearless elevators can travel up to 1200 fpm (6.1 m/s) and are ideal for high-rise buildings of all kinds.

For special design with speeds up to 1600 fpm (8.1 m/s), contact your local ThyssenKrupp Elevator representative.



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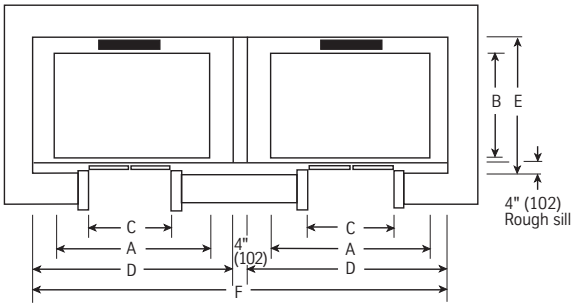


Sizes and capacities

	Capacity in pounds		
Dimensions	3000 (1361 kg)	3500 (1588 kg)	4000 (1814 kg)
A[1]	6'-8" (2032)	6'-8" (2032)	7'-8" (2337)
B[1]	4'-9" (1448)	5'-5" (1651)	5'-5" (1651)
C	3'-6" (1067)	3'-6" (1067)	4'-0" (1219)
D[2]	8'-4" (2540)	8'-4" (2540)	9'-4" (2845)
E[3]	7'-2" (2184)	7'-10" (2388)	7'-10" (2388)
F[4]	17'-0" (5182)	17'-0" (5182)	19'-0" (5791)

1 Inside dimensions.
2 Single car dimensions [Add 4" (102) for seismic] When speed = 1000 f/m (5.0 m/s), add 2" (51). [3" (76) for seismic]
3 Add 2" (51) for seismic. When speed = 1200 fpm (6.1 m/s) add 4" (102).
4 Two car dimensions [Add 8" (203) for seismic] When speed = 100 f/m (5.0 m/s) or 1200 f/m (6.1 m/s), add 4" (102). [6" (152) for seismic]

Minimum pit, overhead, machine room dimensions

		Speed feet per minute (fpm)		
Capacity in lbs.	**Dimensions**	800 (4.0m/s)	1000 (5.0m/s)	1200 (6.1m/s)
3000 (1361 kg)	**O**	20'-0" (6096)	24'-5" (7442)	27'-2" (8280)
	P	11'-4" (3454)	11'-6" (3505)	* 22'-6" (6858)
3500/4000 (1588/1814 kg)	**O**	21'-8" (6604)	24'-8" (7518)	27'-2" (8280)
	P	11'-4" (3454)	11'-6" (3505)	* 22'-6" (6858)

Rope compensation only.

Hoistway dimensions are based on 1" (25) out of plumb and no occupied space below hoistway. If these conditions cannot be met, then consideration must be given for additional required space.

* Note: Per ASME A17.1 rule 2.2.4.2 must have separate pit access door 10'-0" maximum from access door sill to the pit floor or 13'-9" maximum from access door sill to pit floor if there is not a building floor below the terminal floor.

Standard Cab Design

As shown below, our standard cab includes laminated plastic walls, a suspended ceiling with baked enamel frame, brushed stainless steel front with column type swing return, and baked enamel doors.

Walls

Standard Designs

❑ Laminated Plastic (TKLP)
❑ Flat Steel Wall (TKS) (not shown)

Upgrade Designs

Raised Applied Panels (TKAP)

Available Styles:
❑ Vertical ❑ Horizontal

Available Panel Finishes:
❑ Plastic Laminate
❑ Stainless Steel ❑ #4 ❑ #8 ❑ 5WL
❑ Bronze Finish ❑ #4 ❑ #8

Custom Veneer Applied Panel

Available Panel Finishes:
❑ Mahogany ❑ Red Oak
❑ Maple ❑ Cherry

Available Reveal Finishes:
❑ Baked Enamel
❑ Stainless Steel ❑ #4 ❑ #8
❑ Bronze Finish ❑ #4 ❑ #8

Doors

Our standard door height is 7'-0" (2134), but can be constructed up to 9'-0" (2743). Baked enamel and plastic laminate doors include a kickplate to match fronts.Standard doors have a baked enamel finish. We can match any baked enamel color sample.

Center-opening doors are standard for the 2500, 3000, 3500 and 4000 pound capacity SPF models.

Single-speed doors are standard for 2100 pound capacity SPF models.

Two-speed doors are available for 4500 and 5000 pound capacity pre-engineered & SPF models.

Upgrade Designs

❑ Stainless Steel ❑ #4 ❑ #8 ❑ 5WL
❑ Bronze Finish ❑ #4 ❑ #8
❑ Plastic laminate without binders
❑ Plastic laminate with binders

Binders frame your plastic laminate doors.
❑ Stainless Steel ❑ #4 ❑ #8 ❑ 5WL
❑ Bronze Finish ❑ #4 ❑ #8

Sills

Standard Design

❑ Aluminum

Upgrade Designs

❑ Bronze Finish

❑ Nickel Silver

Note: All dimensions in parentheses are in millimeters unless otherwise indicated. Dimensional data shown here comply with the current ASME A17.1 and CSA B44 Safety Code for Elevators. Local codes may vary from the national codes. Consult your local ThyssenKrupp Elevator representative for details.

Fronts

Standard Design

❑ Column Type
Available Finishes:
❑ Stainless Steel ❑ #4 ❑ #8 ❑ 5WL
❑ Bronze Finish ❑ #4 ❑ #8

Upgrade Designs

❑ Wrap Around
Available Finishes:
❑ Stainless Steel ❑ #4 ❑ #8 ❑ 5WL
❑ Bronze Finish ❑ #4 ❑ #8

❑ Full-Width Wrap Around
Available Finishes:
❑ Stainless Steel ❑ #4 ❑ #8 ❑ 5WL
❑ Bronze Finish ❑ #4 ❑ #8

Note: All dimensions in parentheses are in millimeters unless otherwise indicated. Dimensional data shown here comply with the current ASME A17.1 and CSA B44 Safety Code for Elevators. Local codes may vary from the national codes. Consult your local ThyssenKrupp Elevator representative for details.

Handrail Upgrades

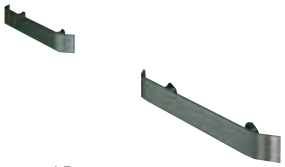
With a varied assortment of materials and styles, our handrails provide quality and durability with style and attractiveness.

Cylindrical
1 1/2" (38) and 2" (50.8) diameter
❑ Stainless Steel ❑ #4 ❑ #8 ❑ 5WL
❑ Bronze Finish ❑ #4 ❑ #8

Wood Plank
❑ 2" (50) x 4" ❑ 4" (102), ❑ 6" (152),
❑ 8" (203), or ❑ 10" (254) size nominal

❑ Contoured Oak
2" (50) x 4" (102) nominal

❑ Continuous Bar
Sizes Available Are:
❑ 1/4"(6) x 2"(50) ❑ 4"(102)❑ 6"(152)
❑ Stainless Steel ❑ #4 ❑ #8 ❑ 5WL
❑ Bronze Finish ❑ #4 ❑ #8



❑ Segmented Bar
Available in 1/4" (6) x 2" (50)
❑ Stainless Steel ❑ #4 ❑ #8 ❑ 5WL
❑ Bronze Finish ❑ #4 ❑ #8

Ceilings

All of our suspended ceilings are mounted 7'-4" (2235) above the finished floor. Ceilings can be raised by extending the cab height.

Standard Design

❑ Baked enamel suspended frame with white translucent light diffusers.
Available Frame Finishes:
❑ Stainless Steel ❑ #4 ❑ #8
❑ Bronze Finish ❑ #4 ❑ #8

Upgrade Designs

❑ Disc Light
Available Panel and Frame Finishes:
❑ Baked Enamel
❑ Stainless Steel ❑ #4 ❑ #8
❑ Bronze Finish ❑ #4 ❑ #8

❑ Incandescent Downlight
❑ Baked Enamel
❑ Stainless Steel ❑ #4 ❑ #8 ❑ 5WL
❑ Bronze Finish ❑ #4 ❑ #8

❑ Halogen Downlights
❑ Baked Enamel
❑ Stainless Steel ❑ #4 ❑ #8 ❑ 5WL
❑ Bronze Finish ❑ #4 ❑ #8

❑ Island Type Halogen Downlight (Wood Core)
❑ Plastic Laminate
❑ Stainless Steel ❑ #4 ❑ #8 ❑ 5WL
❑ Bronze Finish ❑ #4 ❑ #8

❑ Island Type Perimeter Lighting (Wood Core)
❑ Plastic Laminate
❑ Stainless Steel ❑ #4 ❑ #8 ❑ 5WL
❑ Bronze Finish ❑ #4 ❑ #8

❑ Coved - Car top is baked enamel. (Lighting will be 7'-2" above finished floor on std. height cab)

Available Trough Finish:
❑ Baked Enamel
❑ Stainless Steel ❑ #4 ❑ #8 ❑ 5WL
❑ Bronze Finish ❑ #4 ❑ #8

Standard Glassback Arrangements

Glassback cab options can be incorporated into any standard cab type as a premium option.

Frame Finish:
❑ Baked Enamel ❑ Aluminum
❑ Stainless Steel ❑ Bronze

❑ Full Height - Glass above and below handrail

❑ Above Handrail
Modesty panel below handrail matches wall finish

Miscellaneous Upgrades

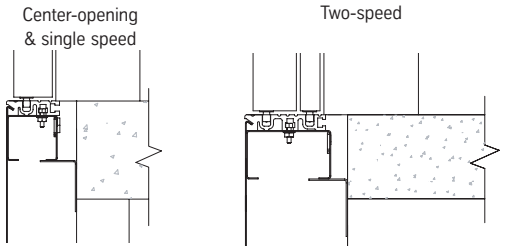
❑ Extended Cab
(Higher ceilings for transport of tall objects)

❑ Protection pads for fronts and walls

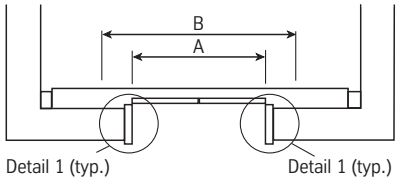
Single-speed Doors		A - Clear Opening	B - Rough Opening
SPF 21	(ft-in)	3'-0"	4'-3"
	(mm)	914	1295
SPF 25, SPF 30, SPF 35	(ft-in)	3'-6"	4'-9"
	(mm)	1067	1448
Center-Opening Doors			
SPF 25, SPF 30, SPF 35	(ft-in)	3'-6"	4'-9"
	(mm)	1067	1448
SPF 45, SPF 50	(ft-in)	4'-0"	5'-3"
	(mm)	1219	1600
Two-Speed Doors			
SPF 45, SPF 50	(ft-in)	4'-0"	5'-3"
	(mm)	1219	1600

Note: All dimensions in parentheses are in millimeters unless otherwise indicated. Dimensional data shown here comply with the current ASME A17.1 and CSA B44 Safety Code for Elevators. Local codes may vary from the national codes. Consult your local ThyssenKrupp Elevator representative for details.

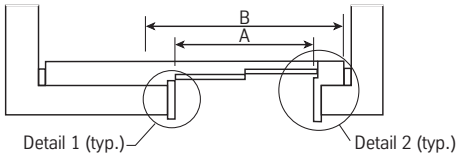
Sill Support Supplied by ThyssenKrupp Elevator



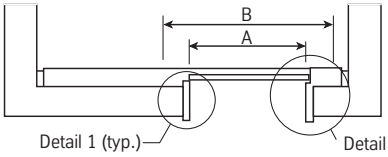
Center-opening doors



Two-speed doors

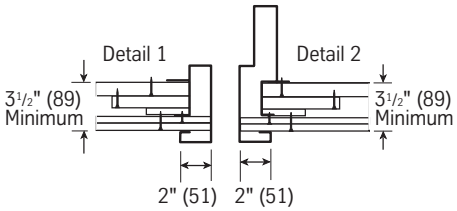


Single-speed doors

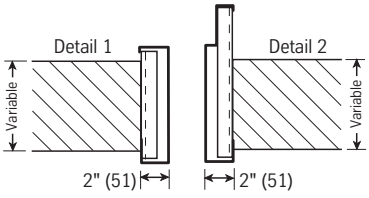


Right hand entrance shown. Left hand available where required.

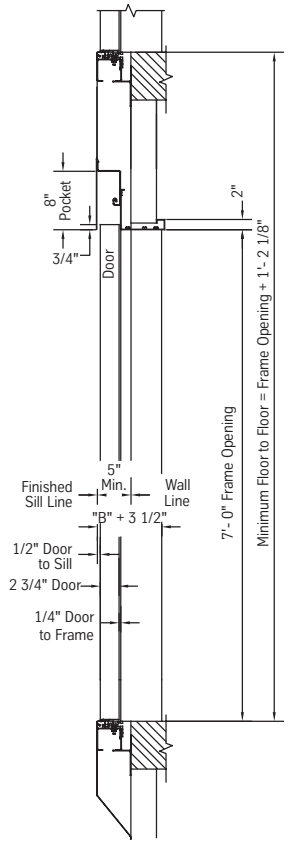
Drywall construction



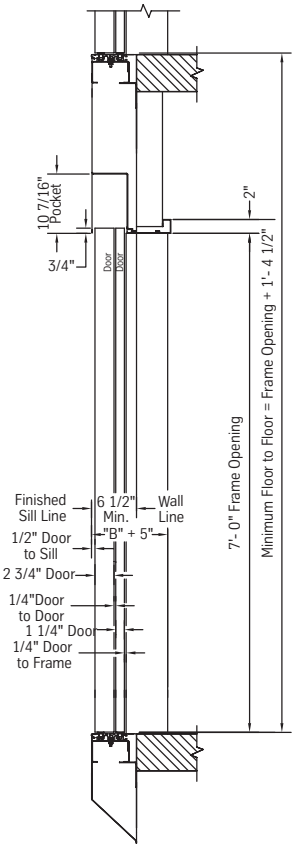
Masonry construction



Center-opening & Single-speed



Two-speed



Note: Front walls should be left out until entrances are set in place or leave a minimum rough opening that is 15" (381) wider and 15" (381) higher than frame opening of doorway.

Note: For opening over 8'-0" (2438) consult factory.

Note: These diagrams show wall thickness and construction detail required in order to supply a minimum 1 1/2 HR. Warnock Hersey Label on entrances. Contact your local ThyssenKrupp Elevator representative for additional details.

Work Not Included in the Elevator Contract* (to be performed by General Contractor)
The following preparatory work is required in order to properly install the elevator equipment. The cost of this work is not included in the ThyssenKrupp Elevator's proposal, since it is a part of the building construction.

1. A plumb and legal hoistway, properly framed and enclosed and including a pit of proper depth, and a pit ladder for each elevator. Drains, lights, access doors, waterproofing and hoistway ventilation, as required.

2. Enclosed elevator equipment room with electrical work outlets, adequate lighting, and heating and ventilation sufficient to maintain the room at a temperature of 50°F minimum to 100°F maximum.

3. Adequate supports and foundations to carry the loads of all equipment, including supports for guide rail brackets.

4. Complete connections from the electric power mains to each controller, including necessary circuit breakers and fused mainline disconnect switches.

5. Electric power of the same characteristics as the permanent supply without charge for the construction, testing and adjusting.

6. Proper trenching and backfilling for any underground piping or conduit.

7. Divider beams for rail brackets support as required.

8. Cutting of walls, floor, etc. and removal of such obstructions as may be necessary proper installation of the elevator.

9. Grouting of door sills, hoistway frames, and signal fixtures after installation of the elevator equipment.

10. All painting, except as otherwise specified.

11. Temporary enclosures, barricades, or other protection from open hoistways and elevator work area during the time the elevator is being installed.

12. Temporary elevator service prior to completion and acceptance of complete installation.

13. Smoke sensors as required in accordance with NFPA**#72E and ASME A17.1.***

14. All telephone wiring to machine room control panel, and installation of telephone instrument or other communication equipment in elevator cab with all connections to elevator traveling cable and in machine room.

15. A standby power source, including necessary transfer switches and auxiliary contact, where elevator operation from an alternate power supply is required.

16. Adequate storage facilities for elevator equipment prior to and during installation.

17. A means to automatically disconnect the main line power supply to the elevator prior to the application of water in the elevator machine room will be furnished by the electrical contractor. This means shall not be self-resetting.

18. Setting of anchors and sleeves.

* Refer to elevator layout drawings for details of each requirement.
** National Fire Protection Code
*** Safety Code for Elevators and Escalators

ThyssenKrupp Elevator

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