

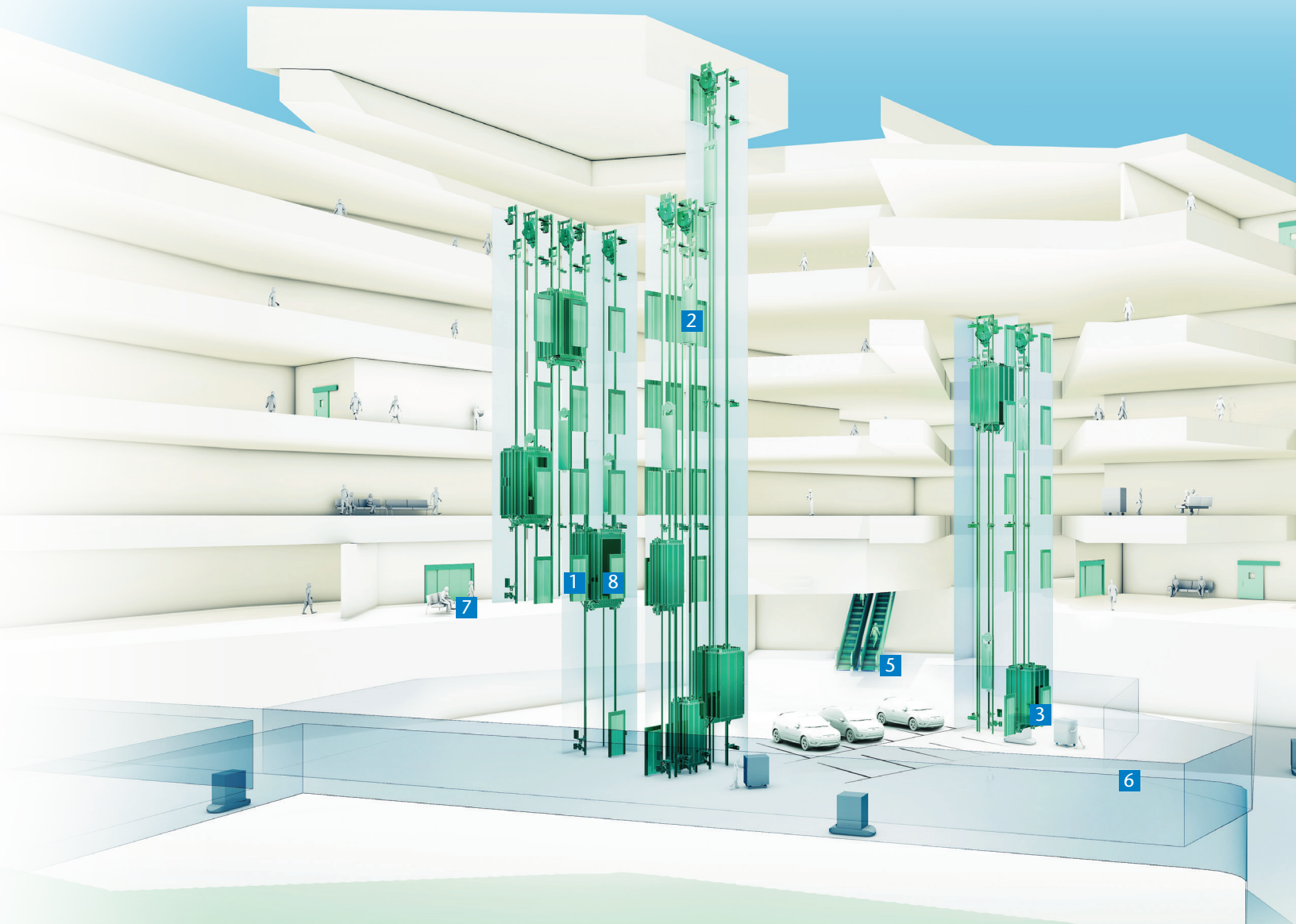
The background image shows a hospital hallway. On the left, there is a glass-walled elevator. In the center, a medical team is attending to a patient on a gurney. Two staff members in red and yellow high-visibility uniforms are pushing the gurney, while a nurse in white scrubs is adjusting an IV drip. Other medical staff are visible in the background. The ceiling features exposed silver pipes and white ductwork. The floor is highly reflective, showing the scene above.

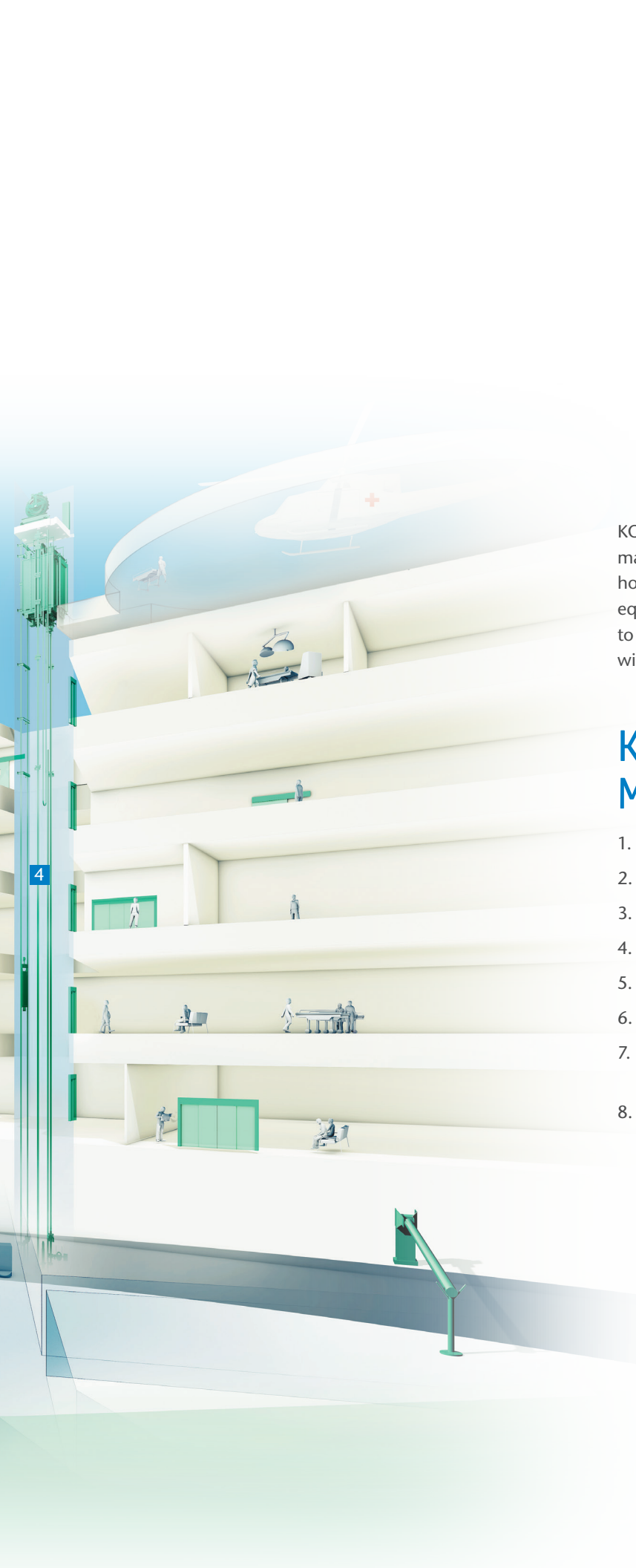
MANAGING THE FLOW OF PEOPLE AND MATERIALS IN MEDICAL FACILITIES

KONE solutions for medical facilities

A FULL RANGE OF SOLUTIONS FOR DEMANDING MEDICAL FACILITIES

A modern hospital or medical facility offers many challenges for managing the flow of people and materials. Patients in beds need to be transported quickly and smoothly with accompanying staff and medical equipment. Food, laundry, medical supplies and equipment must be transported without interruption. Elevators are used by both patients and visitors, many of whom may have special mobility requirements.





KONE has a long history of designing, implementing, maintaining and modernizing solutions in demanding hospital environments. By taking each phase of the equipment's lifetime into consideration, KONE works to keep the facility operating at maximum service, with a low total cost of ownership.

KONE SOLUTIONS FOR MEDICAL FACILITIES

1. Visitor/Passenger elevators
2. Patient/Service elevators
3. Freight elevators
4. Trauma elevators
5. Escalators
6. Loading dock
7. Automated guided vehicles integrated with elevators and building management systems
8. Destination control systems for elevator groups

HELPING ENSURE SMOOTH, SAFE, RELIABLE TRANSPORT

KONE delivers a full range of elevators and escalators to ensure that patients, staff, visitors and materials move smoothly, efficiently and reliably into, within and out of the hospital.

KONE Elevators

When designing KONE elevators for use in hospitals, we pay particular attention to safety, reliability, smooth and quiet operation, eco-efficiency and hygiene.

All KONE elevator solutions are powered by the innovative KONE EcoDisc® hoisting machine and utilize proven KONE components.

Eco-efficiency

- Eco-efficient hoisting systems and drives with regenerative features help reduce energy consumption and operating costs
- Energy-saving LED lighting solutions are more efficient and last longer than halogen lighting
- Standby solutions power down the equipment when it's not in use

Efficient management of people flow

- KONE Destination improves user guidance and boosts traffic handling
- KONE E-Link™ enables monitoring and command of elevator and escalator systems in one or several buildings from one location
- KONE solutions can be integrated with other facility management systems through open standard interfaces

Safe, smooth and reliable

- Accurate leveling improves safety, comfort and ease of use during normal use or when loading patient beds or carts
- KONE EcoDisc technology is proven with nearly half a million installations worldwide over the past 25 years
- KONE solutions meet the strictest requirements for electromagnetic compatibility: EN-12016

Space-efficient

- KONE elevators save space, potentially allowing more room for patient care and giving architectural freedom for design
- Elevators can serve the top floor without requiring a machine room on the roof

Hygienic and visually pleasing

- Materials are durable and easy-to-clean
- A wide array of aesthetic options are available to create a warm, comforting environment for passengers

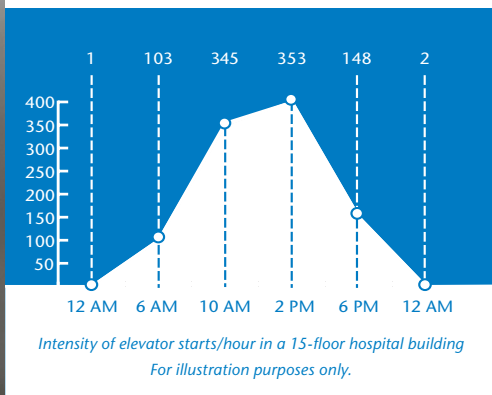
KONE Escalators

Escalators can ensure a smooth flow of people in large hospital building complexes.

- A dedicated product range is designed to handle the expected traffic intensity
- Energy-saving features like efficient drives and LED lighting help boost eco-efficiency
- Lubrication-free chains are oil- and odor-free and easier to clean and maintain
- Escalators can be connected to central monitoring systems so they can be controlled and managed remotely from a single location

UNDERSTANDING THE FLOW OF PEOPLE AND MATERIALS IN HOSPITALS

Hospital elevators are in constant use from early morning to late evening every day of the week. Sudden increases in elevator service may be caused by lunchtime or visitor hours. These traffic peaks along with emergency evacuation needs should be analyzed and simulated during the planning phase.



KONE MEDICAL FACILITIES

TRAUMA

Type:

Machine Room Above

Max Travel:

250 ft. (76 m)

Max Landings: 30

Speed:

200, 350, 500 fpm

(1.00, 1.78, 2.54 m/s)

Car Height (F):

8, 9 or 10 ft.

(2438, 2743 or 3048 mm)

Entrance Height (G):

7, 8 or 9 ft.

(2134, 2438 or 2743 mm)

Visit kone.us for the latest project-specific details, CAD drawings, BIM models, CSI specifications, electrical data, reaction loads and building access requirements.

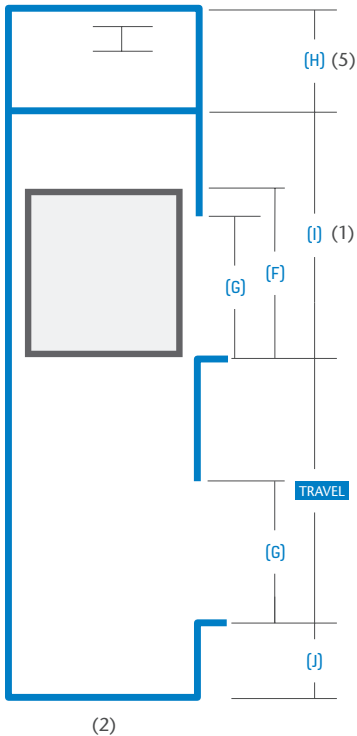
TRAUMA	(A)	(A) SEISMIC	(B)	(C)	(D)	(E)		
CAPACITY LBS. (kg)	OPENING TYPE	HOISTWAY WIDTH (mm)	HOISTWAY WIDTH (mm)	HOISTWAY DEPTH (mm)	INTERIOR WIDTH (mm)	INTERIOR DEPTH (mm)	DOOR WIDTH (mm)	
FRONT OPENING	6000 (2724)	2SP-2SPCO	9'-1" (2769)	9'-4" (2845)	11'-5¼" (3486)	6'-0" (1829)	9'-8" (2946)	5'-0" (1524)
	8000 (3632)	2SP-2SPCO	10'-3" (3124)	10'-6" (3200)	11'-9¼" (3588)	7'-0" (2134)	10'-0" (3048)	6'-0" (1829)
	10,000 (4540)	2SP-2SPCO	11'-6" (3505)	11'-9" (3581)	13'-5½" (4102)	8'-0" (2438)	11'-0" (3353)	6'-0" (1829)
FRONT & REVERSE OPENING	6000 (2724)	2SP-2SPCO	9'-1" (2769)	9'-4" (2845)	12'-4¼" (3766)	6'-0" (1829)	9'-8" (2946)	5'-0" (1524)
	8000 (3632)	2SP-2SPCO	10'-3" (3124)	10'-6" (3200)	12'-8½" (3874)	7'-0" (2134)	10'-0" (3048)	6'-0" (1829)
	10,000 (4540)	2SP-2SPCO	11'-6" (3505)	11'-9" (3581)	13'-8½" (4178)	8'-0" (2438)	11'-0" (3353)	6'-0" (1829)

CLEAR OVERHEAD (I) AND PIT DEPTH (J)						
CAPACITY LBS. (kg)	200 FPM (1.00 m/s)		350 FPM (1.78 m/s)		500 FPM (2.54 m/s)	
	PIT DEPTH (mm)	CLEAR OVERHEAD (mm)	PIT DEPTH (mm)	CLEAR OVERHEAD (mm)	PIT DEPTH (mm)	CLEAR OVERHEAD (mm)
6000 (2724)	5'-7" (1702)	15'-1" (4597)	5'-10" (1778)	15'-5" (4699)	6'-8" (2083)	16'-6" (5029)
8000 (3632)	6'-0" (1829)	16'-1" (4902)	6'-2" (1880)	16'-6" (5029)	6'-11" (2108)	17'-6" (5335)
10,000 (4540)	5'-10" (1778)	16'-4" (4978)	5'-11" (1803)	16'-9" (5105)	-	-

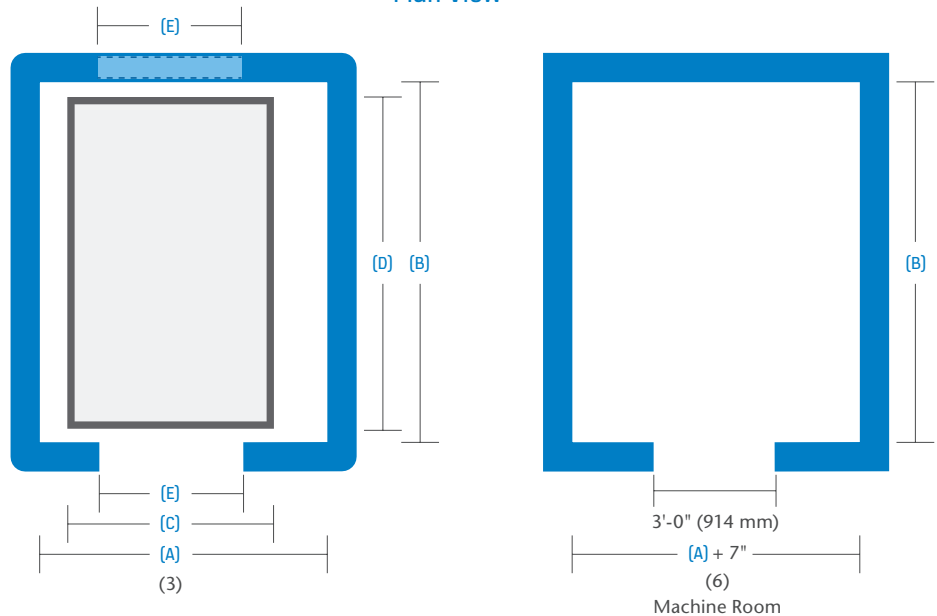
Notes

- (1) All dimensions are based on an 8'-0" (2438 mm) cab with a 7'-0" (2134 mm) door. Alternate car and door heights are available, but will affect dimension (I).
- (2) If occupied space exists below the hoistway, consult your KONE Sales Professional.
- (3) Information is based upon structural machine room floor slabs. For machine beam applications, please consult your KONE Sales Professional.
- (4) Machine room height of 8'-0" (2438 mm) is required and is measured from the machine room floor surface to underside of the lowest obstruction above the machine (H). Contact your local KONE Sales Professional for details.
- (5) The machine room is not centered on the hoistway, and requires an additional 7" (178 mm) in width. The additional 7" (178 mm) should be added to the counterweight side. Contact your local KONE Sales Professional for details.

Section View



Plan View



KONE MEDICAL FACILITIES

PATIENT - SERVICE

Type:

Machine Room-Less

Max Travel:

300 ft. (91.4 m)

Max Landings: 36

Speed:

200, 350, 500 fpm

(1.00, 1.78, 2.54 m/s)

Car Height (F):

8, 9 or 10 ft.

(2438, 2743 or 3048 mm)

Entrance Height (G):

7, 8 or 9 ft.

(2134, 2438 or 2743 mm)

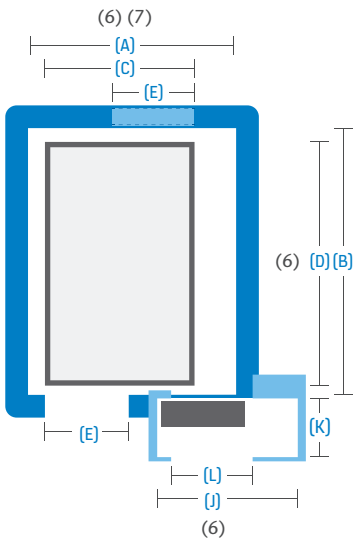
Visit kone.us for the latest project-specific details, CAD drawings, BIM models, CSI specifications, electrical data, reaction loads and building access requirements.

PATIENT – SERVICE		(A)	(A) SEISMIC	(B)	(B) SEISMIC	(C)	(D)	(E)	
CAPACITY LBS. (kg)		OPENING TYPE	HOISTWAY WIDTH (mm)	HOISTWAY WIDTH (mm)	HOISTWAY DEPTH (mm)	HOISTWAY WIDTH (mm)	INTERIOR WIDTH (mm)	INTERIOR DEPTH (mm)	DOOR WIDTH (mm)
FRONT OPENING	4000 (1814)	2SP	8'-5" (2565)	8'-9" (2667)	9'-5" (2870)	9'-5" (2870)	5'-8½" (1740)	7'-6" (2286)	4'-0" (1219)
	4500 (2041)	2SP	8'-5" (2565)	8'-9" (2667)	9'-11" (3023)	10'-2" (3099)	5'-8½" (1740)	8'-0" (2438)	4'-0" (1219)
	5000 (2268)	2SP	8'-5" (2565)	8'-9" (2667)	10'-2" (3099)	10'-5" (3175)	5'-8½" (1740)	8'-7¾" (2642)	4'-6" (1372)*
	5000 AIA (2268)	2SP	8'-5" (2565)	8'-9" (2667)	10'-7¾" (3245)	10'-10¼" (3321)	5'-8½" (1740)	9'-0" (2743)	4'-6" (1372)*
FRONT & REVERSE OPENING	4000 (1814)	2SP	8'-5" (2565)	8'-9" (2667)	10'-1" (3073)	10'-1" (3073)	5'-8½" (1740)	7'-6½" (2311)	4'-0" (1219)
	4500 (2041)	2SP	8'-5" (2565)	8'-9" (2667)	10'-7" (3226)	10'-7" (3226)	5'-8½" (1740)	8'-0½" (2464)	4'-0" (1219)
	5000 (2268)	2SP	8'-5" (2565)	8'-9" (2667)	11'-2¾" (3423)	11'-2¾" (3423)	5'-8½" (1740)	8'-8¼" (2667)	4'-6" (1372)*
	5000 AIA (2268)	2SP	8'-5" (2565)	8'-9" (2667)	11'-6¾" (3524)	11'-6¾" (3524)	5'-8½" (1740)	9'-0" (2743)	4'-6" (1372)*

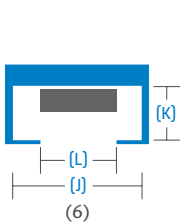
*4'-0" (1219) door width also available

CLEAR OVERHEAD (I) AND PIT DEPTH (J)						
CAPACITY LBS. (kg)	200 FPM (1.00 m/s)		350 FPM (1.78 m/s)		500 FPM (2.54 m/s)	
	PIT DEPTH (mm)	CLEAR OVERHEAD (mm)	PIT DEPTH (mm)	CLEAR OVERHEAD (mm)	PIT DEPTH (mm)	CLEAR OVERHEAD (mm)
4000 (1814)	5'-8" (1727)	13'-7" (4141)	5'-8" (1727)	14'-11" (4547)	7'-3" (2210)	15'-8" (4775)
4500 (2041)	5'-8" (1727)	14'-9" (4496)	5'-11" (1803)	15'-3" (4648)	7'-6" (2286)	16'-0" (4877)
5000 and 5000 AIA (2268)	5'-11" (1803)	15'-2" (4623)	5'-11" (1803)	15'-11" (4851)	-	-

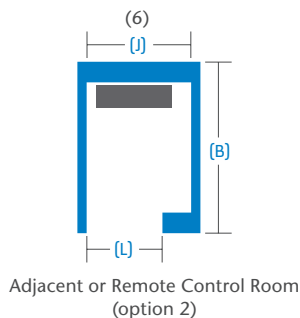
Plan View



Integral Controller Space (standard)



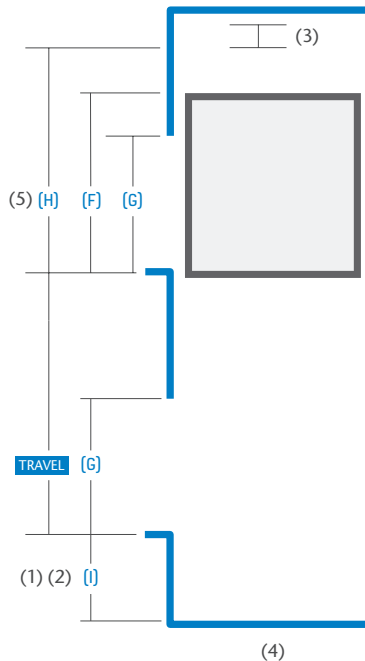
Remote Control Closet (option 1)



Adjacent or Remote Control Room (option 2)

CONTROL SPACE ⁽⁸⁾		(J)	(K)	(L)
CAPACITY LBS. (kg)	CONTROLLER SPACE	WIDTH (mm)	DEPTH (mm)	DOOR WIDTH (mm)
4000 to 5000 AIA (1814-2268)	Integral or Remote Cabinet	4'-4" (1321)	1'-8" (508)	4'-0" (1219)
4000 to 5000 AIA (1814-2268)	Adjacent or Remote Room	5'-0" (1524)	Dimension (B)	3'-0" (914)

Section View



Notes

- (1) Smaller Pit and Overhead dimensions may be available per specific applications. Contact your KONE Sales Professional for further information.
- (2) Buffer service platforms are required when pit depth exceeds 8'-6" (2591 mm).
- (3) A hoist beam(s) (by KONE) is (are) required for installation (by others). Dimension (H) reflects clear under hoist beam(s).
- (4) If occupied space exists below the hoistway, consult your KONE Sales Professional.
- (5) All dimensions are based on an 8'-0" (2438 mm) cab with a 7'-0" (2134 mm) door. Alternate car and door heights are available, but will affect dimension (H).
- (6) If an EBD (Emergency Battery Device) is required, please contact your KONE Sales Professional for further detail regarding dimensions (J) and (L).
- (7) Contact your local KONE Sales Professional regarding local code variations when utilizing the integral and remote closet options.
- (8) If IBC 2018 or ASME A17.1-2019/CSA B44-19 code is applicable, contact your local sales professional for controller space configurations

KONE MEDICAL FACILITIES

FREIGHT

Type:

Machine Room-Less

Max Travel:

75 ft. [23 m]

Max Landings: 12

Speed:

100, 150 fpm
[.50, .76 m/s]

Car Height (F):

8, 9 or 10 ft.
[2438, 2743 or 3048 mm]

Entrance Height (G):

8, 9 or 10 ft.
[2438, 2743 or 3048 mm]

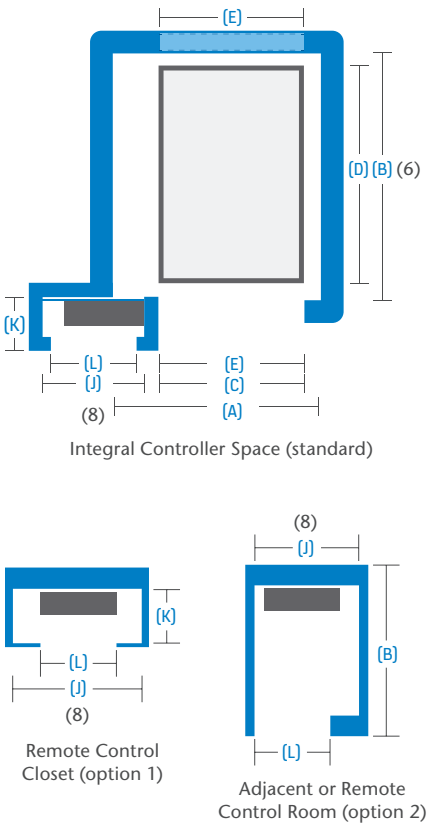
Visit kone.us for the latest project-specific details, CAD drawings, BIM models, CSI specifications, electrical data, reaction loads and building access requirements.

FREIGHT		(A)	(B)	(C)	(D)	(E)	
	CAPACITY LBS. (kg)	OPENING TYPE	HOISTWAY WIDTH (mm)	HOISTWAY DEPTH (mm)	INTERIOR WIDTH (mm)	INTERIOR DEPTH (mm)	DOOR WIDTH (mm)
FRONT OPENING	6000 (2724)	Vertical, Bi-Parting	12'-0" (3658)	10'-10" (3302)	8'-0" (2438)	9'-7" (2921)	8'-0" (2438)
	8000 (3632)	Vertical, Bi-Parting	12'-0" (3658)	11'-10" (3607)	8'-0" (2438)	10'-7" (3226)	8'-0" (2438)
	10,000 (4540)	Vertical, Bi-Parting	12'-0" (3658)	12'-10" (3912)	8'-0" (2438)	11'-7" (3531)	8'-0" (2438)
FRONT & REVERSE OPENING	6000 (2724)	Vertical, Bi-Parting	12'-0" (3658)	10'-10" (3302)	8'-0" (2438)	9'-6" (2896)	8'-0" (2438)
	8000 (3632)	Vertical, Bi-Parting	12'-0" (3658)	11'-10" (3607)	8'-0" (2438)	10'-6" (3200)	8'-0" (2438)
	10,000 (4540)	Vertical, Bi-Parting	12'-0" (3658)	12'-10" (3912)	8'-0" (2438)	11'-6" (3505)	8'-0" (2438)

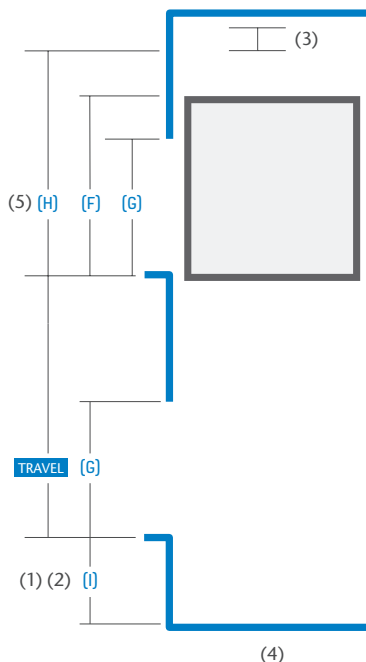
CLEAR OVERHEAD (H) AND PIT DEPTH (I)				
CAPACITY LBS. (kg)	100 FPM (.51 m/s)		150 FPM (.76 m/s)	
	PIT DEPTH (mm)	CLEAR OVERHEAD (mm)	PIT DEPTH (mm)	CLEAR OVERHEAD (mm)
6000 (2724)	9'-8" (2946)	14'-2" (4318)	9'-8" (2946)	14'-2" (4318)
8000 (3632)	10'-2" (3099)	14'-2" (4318)	10'-2" (3099)	14'-2" (4318)
10,000 (4540)	10'-2" (3099)	14'-2" (4318)	10'-2" (3099)	14'-2" (4318)

CONTROL SPACE ⁽¹⁰⁾		(J)	(K)	(L)
CAPACITY LBS. (kg)	CONTROLLER SPACE	WIDTH (mm)	DEPTH (mm)	DOOR WIDTH (mm)
6000-10,000 (2724-4540)	Integral or Remote Cabinet	4'-4" (1321)	1'-8" (508)	4'-0" (1219)
6000-10,000 (2724-4540)	Adjacent or Remote Room	5'-0" (1524)	Dimension (B)	3'-0" (914)

Plan View



Section View



Notes

- (1) Shallower Pit Depths may be available per specific applications. Contact your KONE Sales Professional for further information.
- (2) Buffer service platforms are required when pit depth exceeds 8'-6" (2591 mm).
- (3) A hoist beam(s) (by KONE) is (are) required for installation (by others). Dimension (H) reflects clear under hoist beam(s).
- (4) If occupied space exists below the hoistway, consult your KONE Sales Professional.
- (5) All dimensions are based on an 8'-0" (2438 mm) cab with a 8'-0" (2438 mm) door. Alternate car and door heights are available, but will affect dimension (H).
- (6) All dimensions are based upon regular type vertical bi-parting doors. When a floor height is less than the (door height x 1.5) + 6" (152 mm) then a pass type vertical bi-parting door is required. When pass type doors are required, add 1 3/4" (45 mm) to the hoistway depth for front opening and 3 1/2" (89 mm) for front and reverse opening configurations.
- (7) All dimensions are based upon freight elevator loading classification A. Contact your KONE Sales Professional for further information regarding A17.1 or B44 freight elevator loading classifications (Classes A, B, C-1, C-2, C-3).
- (8) If an EBD (Emergency Battery Device) is required, please contact your KONE Sales Professional for further detail regarding dimensions (J) and (L).
- (9) Contact your local KONE Sales Professional regarding local code variations when utilizing the integral and remote closet options.
- (10) If IBC 2018 or ASME A17.1-2019/CSA B44-19 code is applicable, contact your local sales professional for controller space configurations.

KONE MEDICAL FACILITIES

VISITOR/PASSENGER

Type:

Machine Room-Less

Max Travel:

300 ft. (91.4 m)

Max Landings: 36

Speed:

200, 350, 500 fpm

(1.00, 1.78, 2.54 m/s)

Car Height (F):

8, 9 or 10 ft.

(2438, 2743 or 3048 mm)

Entrance Height (G):

7, 8 or 9 ft.

(2134, 2438 or 2743 mm)

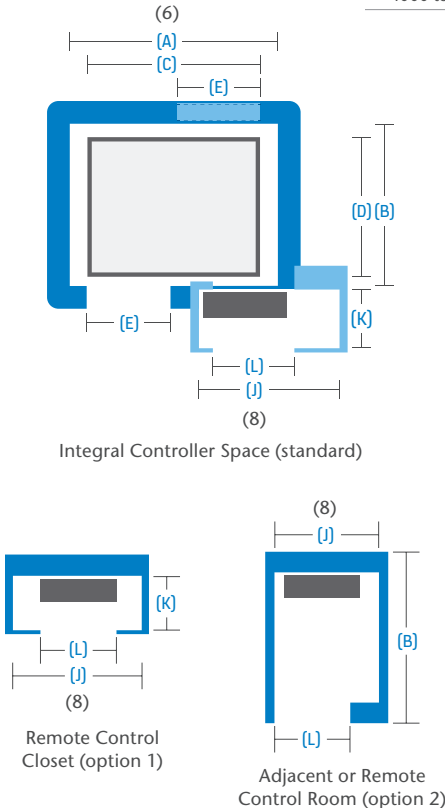
Visit kone.us for the latest project-specific details, CAD drawings, BIM models, CSI specifications, electrical data, reaction loads and building access requirements.

VISITOR/PASSENGER		(A)	(A) SEISMIC	(B)	(C)	(D)	(E)		
		CAPACITY LBS. (kg)	OPENING TYPE	HOISTWAY WIDTH (mm)	HOISTWAY WIDTH (mm)	HOISTWAY DEPTH (mm)	INTERIOR WIDTH (mm)	INTERIOR DEPTH (mm)	DOOR WIDTH (mm)
FRONT OPENING	2000 (907)	2SP	7'-4" (2235)	7'-8" (2337)	6'-8" (2032)	5'-8½" (1740)	4'-3¼" (1302)	3'-0" (914)	
	2500 (1134)	SSP-CO	8'-4" (2540)	8'-8" (2642)	6'-8" (2032)	6'-8½" (2045)	4'-3¼" (1302)	3'-6" (1067)	
	3000 (1361)	SSP-CO	8'-4" (2540)	8'-8" (2642)	7'-2" (2184)	6'-8½" (2045)	4'-9¼" (1454)	3'-6" (1067)	
	3500 (1588)	SSP-CO	8'-4" (2540)	8'-8" (2642)	7'-10" (2388)	6'-8½" (2045)	5'-5¼" (1657)	3'-6" (1067)	
FRONT & REVERSE OPENING	4000 (1814)	CO	9'-4" (2845)	9'-8" (2946)	7'-10" (2388)	7'-8½" (2350)	5'-5¼" (1657)	4'-0" (1219)	
	2500 (1134)	SSP-CO	9'-5" (2870)	9'-9" (2972)	7'-1" (2159)	6'-8½" (2045)	4'-3¼" (1314)	3'-6" (1067)	
	3000 (1361)	SSP-CO	9'-5" (2870)	9'-9" (2972)	7'-6" (2286)	6'-8½" (2045)	4'-9¼" (1467)	3'-6" (1067)	
	3500 (1588)	SSP-CO	9'-5" (2870)	9'-9" (2972)	7'-9½" (2375)	6'-8½" (2045)	5'-5¼" (1670)	3'-6" (1067)	
4000 (1814)	CO	10'-5" (3175)	10'-9" (3277)	7'-9½" (2375)	7'-8½" (2350)	5'-5¼" (1670)	4'-0" (1219)		

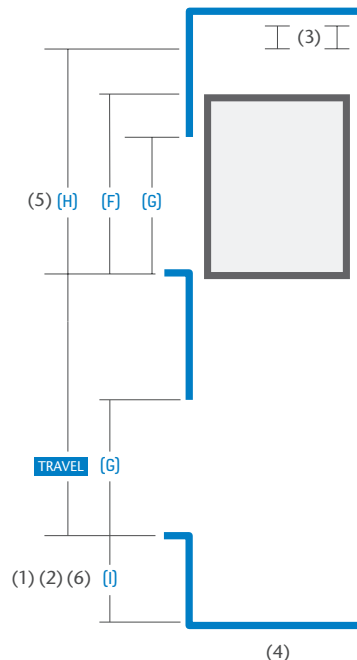
CLEAR OVERHEAD (I) AND PIT DEPTH (J)									
CAPACITY LBS. (kg)	200 FPM (1.00 m/s)			350 FPM (1.78 m/s)			500 FPM (2.54 m/s)		
	(I) PIT DEPTH (mm)	(H) CLEAR OVERHEAD (mm)	(H) SEISMIC CLEAR OVERHEAD (mm)	(I) PIT DEPTH (mm)	(H) CLEAR OVERHEAD (mm)	(H) SEISMIC CLEAR OVERHEAD (mm)	(I) PIT DEPTH (mm)	(H) CLEAR OVERHEAD (mm)	(H) SEISMIC CLEAR OVERHEAD (mm)
2000 (907)	5'-3" (1600)	15'-6" (4724)	16'-11" (5156)	5'-7" (1702)	16'-11" (5156)	16'-11" (5156)	5'-7" (1702)	15'-9" (4801)	16'-11" (5156)
2500 (1134)	5'-3" (1600)	15'-0" (4572)	16'-11" (5156)	5'-5" (1626)	16'-7" (5055)	16'-11" (5156)	5'-5" (1651)	15'-2" (4623)	16'-11" (5156)
3000 (1361)	5'-3" (1600)	15'-2" (4623)	16'-11" (5156)	5'-5" (1626)	16'-10" (5131)	16'-11" (5156)	5'-5" (1651)	15'-5" (4699)	16'-11" (5156)
3500 (1588)	5'-5" (1651)	14'-10" (4521)	16'-11" (5156)	5'-5" (1626)	16'-4" (4978)	16'-11" (5156)	7'-3" (2210)	16'-4" (4978)	16'-11" (5156)
4000 (1814)	5'-6" (1676)	15'-1" (4597)	16'-11" (5156)	5'-6" (1676)	16'-7" (5055)	16'-11" (5156)	7'-6" (2286)	16'-11" (5156)	16'-11" (5156)

CONTROL SPACE ⁽¹⁰⁾		(J)	(K)	(L)
CAPACITY LBS. (kg)	CONTROLLER SPACE	WIDTH (mm)	DEPTH (mm)	DOOR WIDTH (mm)
4000 to 5000 AIA (1814-2268)	Integral or Remote Cabinet	4'-4" (1321)	1'-8" (508)	4'-0" (1219)
4000 to 5000 AIA (1814-2268)	Adjacent or Remote Room	5'-0" (1524)	Dimension (B)	3'-0" (914)

Plan View



Section View



Notes

- (1) Smaller Pit and Overhead dimensions may be available per specific applications. Contact your KONE Sales Professional for further information.
- (2) Buffer service platforms are required when pit depth exceeds 8'-6" (2591 mm).
- (3) A hoist beam(s) (by KONE) is (are) required for installation (by others). Dimension (H) reflects clear under hoist beam(s).
- (4) If occupied space exists below the hoistway, consult your KONE Sales Professional.
- (5) All dimensions are based on an 8'-0" (2438 mm) cab with a 7'-0" (2134 mm) door. Alternate car and door heights are available, but will affect dimension (H).
- (6) For front-only passenger car in seismic applications (zone 2 or greater) add 12" (305 mm) to the pit depth dimensions for speeds > 200 fpm (1 m/s).
- (7) Add 8" (203 mm) in non-seismic and 12" (305 mm) in seismic zones to clear overhead dimension (H) for front-only passenger car if cab features glass back wall.
- (8) If an EBD (Emergency Battery Device) is required, please contact your KONE Sales Professional for further detail regarding dimensions (J) and (L).
- (9) Contact your local KONE Sales Professional regarding local code variations when utilizing the integral and remote closet options.
- (10) If IBC 2018 or ASME A17.1-2019/CSA B44-19 code is applicable, contact your local sales professional for controller space configurations.

KONE TRAVELMASTER™ 210

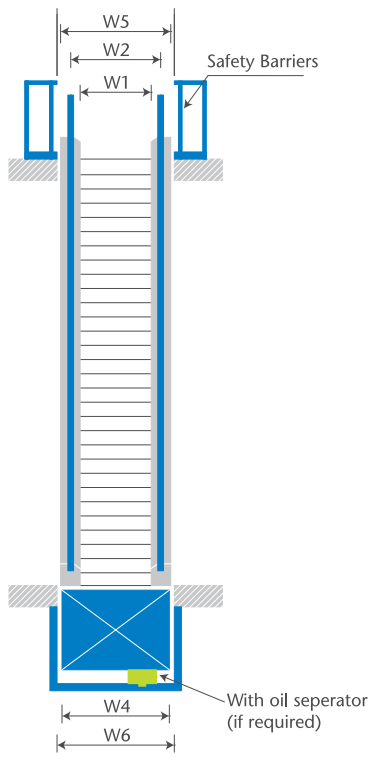
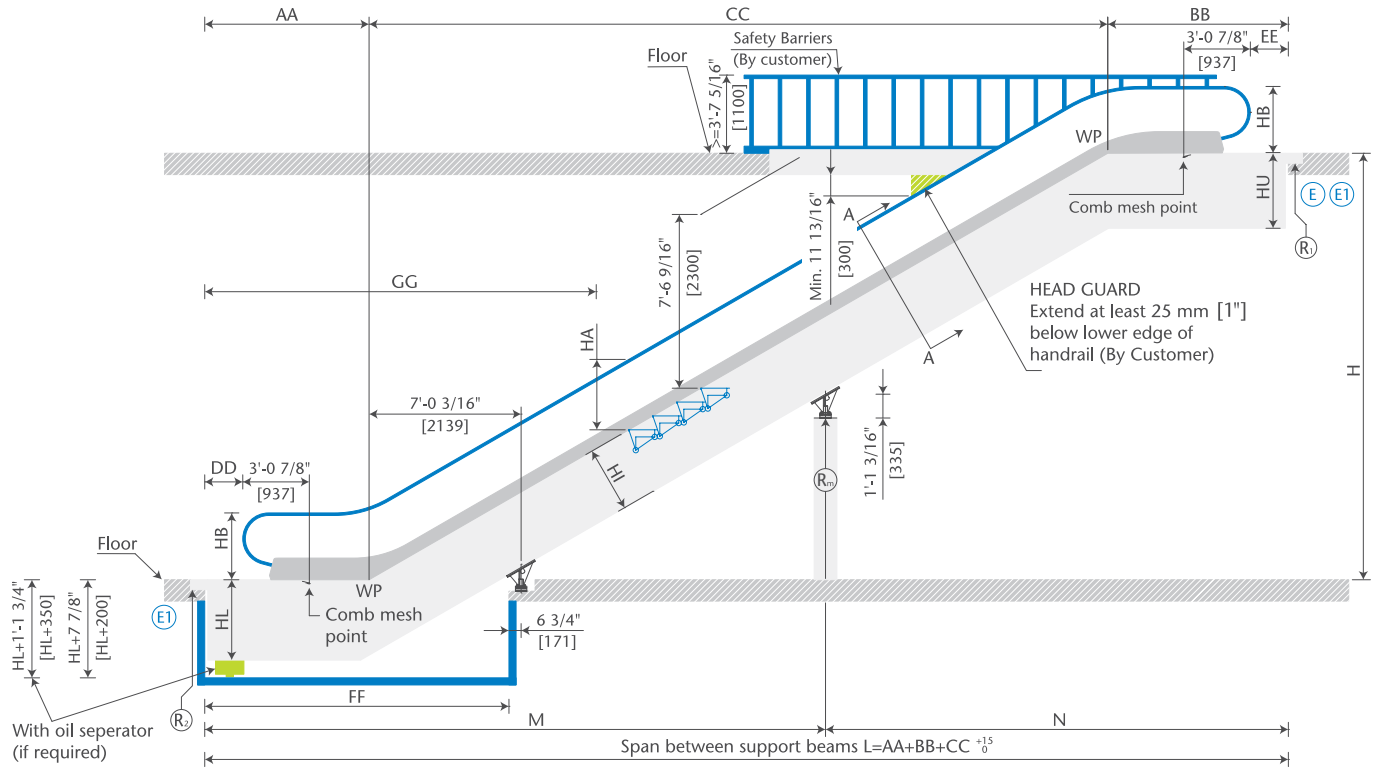
COMMERCIAL ESCALATOR PRODUCT: CONFIGURATION & DIMENSIONS

KONE TRAVELMASTER 210 BASIC DATA											
INCLINATION	LEVEL STEPS	RADII	MAXIMUM VERTICAL RISE	NOMINAL STEP WIDTH	BALUSTRADE	BALUSTRADE HEIGHT	SPEED	ELECTRIFICATION	CHAIN TYPE	HANDRAIL	ENVIRONMENT
30 degrees	2 or 3 Level Steps	Lower Radius: 1.0 or 2.0 (meters) Upper Radius: 1.0, 1.5, 2.7 (meters)	52'-5" (16 m)	24", 32" and 40" (600,800, 1000 mm)	Glass and Solid Incline	3'-3 ³ / ₈ " (1000 mm)	100 FPM (0.5 m/s)	NFPA 70 and CSA-C22.1	Inside Chain Roller	C-Type	Indoor/Outdoor

DIMENSION BB/EE (UPPER HEAD) FOR NON-SEISMIC						
W1: STEP WIDTH	H: RISE	BB				EE
		LEVEL STEPS - UP RADIUS / LOW RADIUS (M)				
		2-1.0/1.0	2-1.5/1.0	3-1.5/1.0	3-2.7/2.0	
40" (1000 mm)	8'-2 ⁷ / ₁₆ " - 15'-9" (2500 mm - 4800 mm)	8'-5 ⁵ / ₈ " (2455 mm)	8'-5 ¹¹ / ₁₆ " (2589 mm)	9'-8 ¹ / ₈ " (2949 mm)	10'-4 ¹⁵ / ₁₆ " (3173 mm)	1'-9 ¹ / ₁₆ " (535 mm)
	15'-9" - 31'-9 ⁷ / ₈ " (4801 mm - 9700 mm)	8'-3 ⁷ / ₁₆ " (2525 mm)	8'-8 ¹¹ / ₁₆ " (2659 mm)	9'-10 ⁵ / ₈ " (3019 mm)	10'-4 ¹⁵ / ₁₆ " (3243 mm)	1'-11 ¹³ / ₁₆ " (605 mm)
	31'-9 ¹⁵ / ₁₆ " - 52'-5 ¹⁵ / ₁₆ " (9701 mm - 16000 mm)	9'-8 ⁵ / ₁₆ " (2955 mm)	10'-1 ⁵ / ₈ " (3089 mm)	11'-3 ¹³ / ₁₆ " (3449 mm)	12'-5 ⁵ / ₈ " (3673 mm)	3'-4 ³ / ₄ " (1035 mm)
32" (800 mm)	8'-2 ⁷ / ₁₆ " - 34'-5 ³ / ₈ " (2500 mm - 10500 mm)	8'-7 ³ / ₈ " (2625 mm)	9'-5 ⁵ / ₈ " (2759 mm)	10'-2 ¹³ / ₁₆ " (3119 mm)	10'-11 ⁵ / ₁₆ " (3343 mm)	2'-3 ³ / ₄ " (705 mm)
24" (600 mm)	8'-2 ⁷ / ₁₆ " - 39'-4 ⁷ / ₁₆ " (2500 mm - 12000 mm)	9'-8 ⁵ / ₁₆ " (2955 mm)	10'-1 ⁵ / ₈ " (3089 mm)	11'-3 ¹³ / ₁₆ " (3449 mm)	12'-5 ⁵ / ₈ " (3673 mm)	3'-4 ³ / ₄ " (1035 mm)

DIMENSION AA/DD (LOWER HEAD) FOR NON-SEISMIC						
W1: STEP WIDTH	TRUSS/COMB HEATING	AA				DD
		LEVEL STEPS - UP RADIUS / LOW RADIUS (M)				
		2-1.0/1.0	2-1.5/1.0	3-1.5/1.0	3-2.7/2.0	
40" (1000 mm)	Without/With	7'-3 ³ / ₈ " (2226 mm)	7'-3 ³ / ₈ " (2226 mm)	8'-3 ³ / ₄ " (2534 mm)	9'-1 ¹ / ₁₆ " (2777 mm)	1'-9 ¹ / ₁₆ " (535 mm)
32"/24" (800 mm / 600 mm)	Without	7'-3 ³ / ₈ " (2226 mm)	7'-3 ³ / ₈ " (2226 mm)	8'-3 ³ / ₄ " (2534 mm)	9'-1 ¹ / ₁₆ " (2777 mm)	1'-9 ¹ / ₁₆ " (535 mm)
32"/24" (800 mm / 600 mm)	With	8'-5 ¹ / ₁₆ " (2576 mm)	8'-5 ¹ / ₁₆ " (2576 mm)	9'-5 ⁹ / ₁₆ " (2884 mm)	10'-3 ¹ / ₈ " (3127 mm)	2'-10 ³ / ₁₆ " (885 mm)

HA	HB	CC	FF	HL	HU
3'-3" (990mm)	3'-1" (940mm)	1.73205 x H	AA+7'-1 ¹ / ₂ " (AA+2139 mm)	3'-8 ¹ / ₂ " (1130 mm)	3'-8 ¹ / ₂ " (1130 mm)



KEY WIDTH DIMENSIONS

W1: Step width	3'-3 1/2" (1000 mm)	2' - 7 1/2" (800 mm)	1'-11 1/2" (600 mm)
W2: Handrail centerline distance	4'-1 11/16" (1262 mm)	3'-5 7/8" (1064 mm)	2'-10 1/8" (866 mm)
W4: Width of truss	4'-11 7/16" (1510 mm)	4' - 3 5/8" (1312 mm)	3' - 7 7/8" (1114 mm)
W5: Width of finished escalator	5'- 3 1/16" (1602 mm)	4' - 7 1/4" (1404 mm)	3'-11 1/2" (1206 mm)
W6: Width of pit	5'- 5 1/16" (1650 mm)	4' - 9 3/16" (1450 mm)	4' - 1 5/16" (1250 mm)

EXTENSION BY SEISMIC TYPE

SEISMIC END SUPPORT TYPE	INCREASE FOR AA&BB&DD&EE
Type A	0'-1 3/4" (45 mm)
Type B	0'-1 3/4" (45 mm)
Type C	0'-3 3/8" (79 mm)
Type D	0'-4 1/16" (103 mm)
Type E	0'-5 5/8" (146 mm)
Type F	0'-8 1/16" (205 mm)
Type G	0'-10 5/16" (262 mm)
Type H	1'-5 1/16" (313 mm)

Notes

(1) Details represent standard KONE escalator configurations. Please consult your sales professional to review all possible deviations.

Visit KONE.us for the latest project-specific details, electrical data, reaction loads, planner tools and building access requirements.



KONE provides innovative and eco-efficient solutions for elevators, escalators and the systems that integrate them with today's intelligent buildings.

We support our customers every step of the way; from design, manufacturing and installation to maintenance and modernization. KONE is a global leader in helping our customers manage the smooth flow of people and goods throughout their buildings.

Our commitment to customers is present in all KONE solutions. This makes us a reliable partner throughout the life cycle of the building. We challenge the conventional wisdom of the industry. We are fast, flexible, and we have a well-deserved reputation as a technology leader, with such innovations as KONE MonoSpace® DX, KONE EcoMod® and KONE UltraRope®.

KONE employs over 60,000 dedicated experts to serve you globally and locally.

KONE AMERICAS HEADQUARTERS

4225 Naperville Road
Lisle, IL 60532
Tel. (630) 577-1650

www.kone.us