

# STRETCHER AND FIRE SERVICE ELEVATORS FOR EOX

## TK Elevator

### Got you covered in medical emergencies

It's important to understand stretcher and Fire Service Access Elevator (FSAE) requirements when planning and designing buildings. This helps ensure you select the correct elevators.

#### Stretcher Requirements

International Building Code (IBC) section 3002.4 requires at least one elevator to accommodate an open ambulance stretcher if the building has four or more stories. Florida Building Code (FBC), section 3002.4 states over three or more story buildings require stretcher accommodations. The National Building Code of Canada (NBCC), section 3.5.4.1.1 states that all buildings with elevators require stretcher accommodations. So it is best to check local building codes that apply to your jurisdiction.

Typically, the stretchers are 24" x 84" (610 mm x 2134 mm) in the prone position, with no less than 5" (127 mm) radius corners, but some jurisdictions such as Florida require 76" (1930 mm) in length or in Canada, 79" (2010 mm) in length, same radius corners and width.

These requirements ensure emergency personnel can safely and efficiently evacuate passengers in medical emergencies. The elevator must be easily identified by the "Star of Life" – the international symbol for emergency medical services.

TK Elevator offers standard elevator cab configurations in full compliance with guidelines from IBC, FBC and NBCC, along with the emergency medical services symbol.

#### Fire service access elevator requirements

In taller buildings that have occupied floors at or over 120 feet (36 576 mm) above the street or fire truck-access level, IBC section 403.6 requires two stretcher-capable elevators with 3500 lbs (1588 kg) capacity or greater.



#### Star of Life signage

Star of Life signs are available; contact your sales representative.

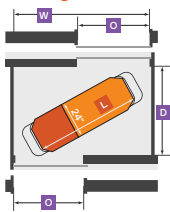


## U.S. (IBC), Canada (NBCC) and Florida (FBC) Stretcher-compliant cab specifications

| Capacity lbs (kg) | Front/Rear Doors | Door Opening Size O (mm) | Cab Configuration | IBC 84" (2134) L (mm) <sup>2</sup>  | NBCC 79" (2010) L (mm) <sup>2</sup> | FBC 76" (1930) L (mm) <sup>2</sup>  | FSAE <sup>2</sup> Compliant         |
|-------------------|------------------|--------------------------|-------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 2500 (1134)       | F/R              | 42" (1067)               | A                 |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
| 2500 (1134)       | F                | 42" (1067)               | B                 |                                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
| 2500 (1134)       | F                | 42" (1067)               | C                 |                                     |                                     |                                     |                                     |
| 2500 (1134)       | F/R              | 42" (1067)               | D                 |                                     |                                     | <input checked="" type="checkbox"/> |                                     |
| 2500 (1134)       | F/R              | 42" (1067)               | E                 |                                     |                                     | <input checked="" type="checkbox"/> |                                     |
| 3000 (1361)       | F/R              | 42" (1067)               | A                 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
| 3000 (1361)       | F                | 42" (1067)               | B                 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |
| 3000 (1361)       | F                | 42" (1067)               | C                 |                                     |                                     |                                     |                                     |
| 3000 (1361)       | F/R              | 42" (1067)               | D                 |                                     |                                     | <input checked="" type="checkbox"/> |                                     |
| 3000 (1361)       | F/R              | 42" (1067)               | E                 |                                     |                                     |                                     |                                     |
| 3500 (1588)       | F/R              | 42" (1067)               | A                 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3500 (1588)       | F                | 42" (1067)               | B                 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3500 (1588)       | F                | 42" (1067)               | C                 |                                     |                                     | <input checked="" type="checkbox"/> |                                     |
| 3500 (1588)       | F/R              | 42" (1067)               | D                 |                                     |                                     | <input checked="" type="checkbox"/> |                                     |
| 3500 (1588)       | F/R              | 42" (1067)               | E                 |                                     |                                     | <input checked="" type="checkbox"/> |                                     |

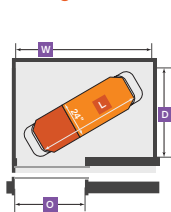
Local jurisdictions vary on number of stories and car sizes; for details, contact your local sales representative or visit <https://www.tkelevator.com/us> (For Canada <https://www.tkelevator.com/ca-en>)

**Configuration A**



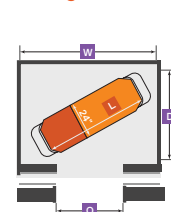
Front and rear – side slide opening (Opposite of shown is available)

**Configuration B**



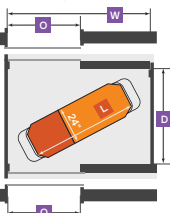
Front only – side slide opening (Opposite of shown is available)

**Configuration C**



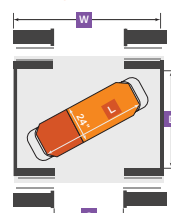
Front only – center opening

**Configuration D**



Front and rear – side slide opening (Opposite of shown is available)

**Configuration E**



Front and rear – center opening

**Endnotes:**

The above table is based on the standard steel shell clear dimensions without applied panel cabin interior design.

<sup>1</sup>4000 lb (1814 kg) capacity cabins are not currently available on the EOX or EOX-H product line.

<sup>2</sup>In buildings that have occupied floors at or over 120 feet above the street level or fire truck-access level, IBC section 403.6 requires two stretcher-capable elevators with 3500 lbs (1588 kg) capacity.