

STRETCHER AND FIRE SERVICE ELEVATORS



Be prepared for emergencies with MEI Total Elevator Solutions.

Recognizing the specifications for stretchers and Fire Service Access Elevators (FSAE) is crucial during the architectural design and planning phase of buildings, ensuring the selection of appropriate elevators.

Stretcher Requirements

According to Section 3002.4 of the International Building Code (IBC), buildings with four or more stories must have at least one elevator that can fit an open ambulance stretcher.

This requirement guarantees the safe and quick evacuation of individuals in medical crises by emergency responders. Such elevators should be marked with the 'Star of Life', a globally recognized emblem for emergency medical services

Our standard configurations for elevator cabs fully adhere to the IBC guidelines and include the symbol for emergency medical services.

Fire service access elevator requirements

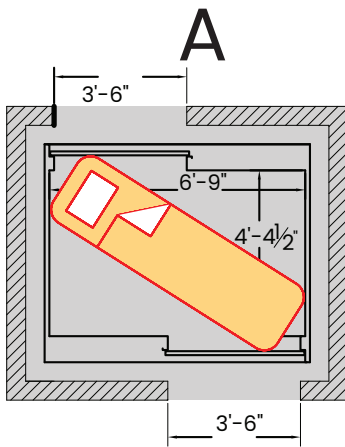
For high-rise buildings, Section 403.6 of the IBC mandates that there must be two elevators capable of carrying stretchers, each with a minimum capacity of 3500 lbs. This rule applies when any floor in use is 120 feet or more above the level accessible by the street or fire trucks.



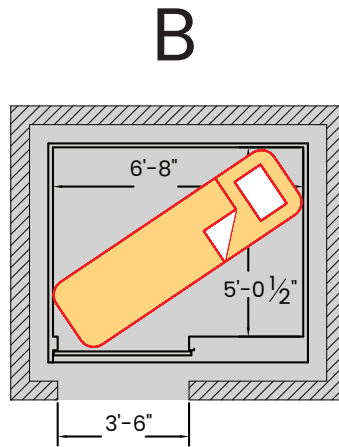
Working Together to Be the Best

MEI cab configurations are designed for stretchers

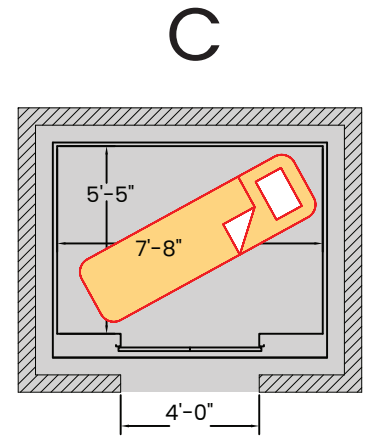
As per IBC section 3002.4, any building with four or more floors must include an elevator that can hold a 24" x 84" stretcher laid flat, with corners having a radius of at least five inches. We provide various elevator cabin designs that conform to these specifications, including those with the required corner radius.



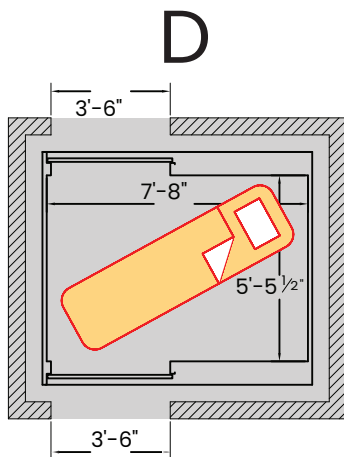
Front and rear – side slide opening



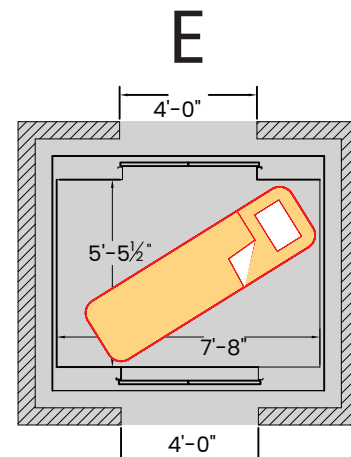
Front only – side slide opening



Front only – center opening



Front and rear – side slide opening



Front and rear – center opening

| Minimum 24" x 84" stretcher-compliant cab dimensions | | | | | |
|--|------------------|--------------------------|-------------------|--------------|----------------|
| Configuration | Front/Rear Doors | Inside Cab Dimension WxD | Door Opening Size | Capacity | FSAE Compliant |
| A | F/R | 6' 9" x 4' 4 1/2" | 3' 6" | 2500# | No |
| B | F | 6' 8" x 5' 0 1/2" | 3' 6" | 3000# | No |
| C | F | 7' 8" x 5' 5" | 4' 0" | 3500# | Yes |
| D | F/R | 7' 8" x 5' 5 1/2" | 3' 6" | 3500# | Yes |
| E | F/R | 7' 8" x 5' 5 1/2" | 4' 0" | 3500# | Yes |

Dimensions are based on the minimum required to be stretcher compliant. Other combinations are available.