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		<p>EFFECTIVE : 1-05-2015</p>

ACCESSIBILITY DETAILS FOR ELEVATORS AND STAIRWAYS

11B-407.1 General. Elevators shall comply with *Section 11B-407* and with ASME A17.1 they shall be passenger elevators as classified by ASME A17.1. Elevator operation shall be automatic.

TABLE 11B-407.4.1 ELEVATOR CAR DIMENSIONS

DOOR LOCATION	MINIMUM DIMENSIONS			
	Door clear width	Inside car, side to side	Inside car, back wall to front return	Inside car, back wall to inside face of door
Centered	42 inches (1067 mm)	80 inches (2032 mm)	51 inches (1295 mm)	54 inches (1372 mm)
Side (off-centered)	36 inches (914 mm) ¹	68 inches (1727 mm)	51 inches (1295 mm)	54 inches (1372 mm)
Any	36 inches (914 mm) ¹	54 inches (1372 mm)	80 inches (2032 mm)	80 inches (2032 mm)
Any	36 inches (914 mm) ²	60 inches (1524 mm) ²	60 inches (1524 mm) ²	60 inches (1524 mm) ²

1. A tolerance of minus $\frac{5}{8}$ inch (15.9 mm) is permitted.
2. Other car configurations that provide a turning space complying with *Section 11B-304* with the door closed shall be permitted.

11B-407.3.5 Door delay. Elevator doors shall remainfully open in response to a car call for 5 seconds mini mum.

11B-407.3.6 Width. The width of elevator doors shall comply with Table 11B-407.4.1.

Exception: In existing elevators, a power-operated car door complying with *Section 11B-404.2.3* shall be permitted.

11B-407.4 Elevator car requirements. Elevator cars shall comply with *Section 11B-407.4*.

11B-407.4.1 Car dimensions. Inside dimensions of elevator cars and clear width of elevator doors shall comply with Table 11B-407.4.1.

Exception: *In existing buildings, where existing shaft configuration or technical infeasibility prohibits strict compliance with Section 11B-407.4.1, existing elevator car configurations that provide a clear floor area of 18 square feet (1.67 m²) minimum and also provide an inside clear depth 54 inches (1372 mm) minimum and a clear width 48 inches (1219 mm) minimum shall be permitted.*

11B-407.4.2 Floor surfaces. Floor surfaces in elevator cars shall comply with *Sections 11B-302* and *11B-303*.

11B-407.4.3 Platform to hoistway clearance. The clearance between the car platform sill and the edge of any hoistway landing shall be $\frac{1}{4}$ inch (32 mm) maximum.

11B-407.4.4 Leveling. Each car shall be equipped with a self-leveling feature that will automatically bring and maintain the car at floor landings within a tolerance of $\frac{1}{2}$ inch (12.7 mm) under rated loading to zero loading conditions.

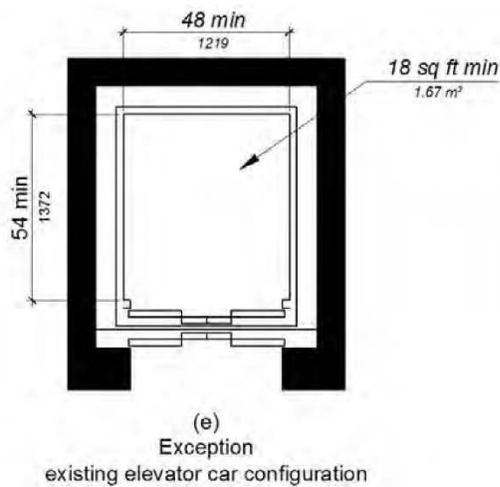
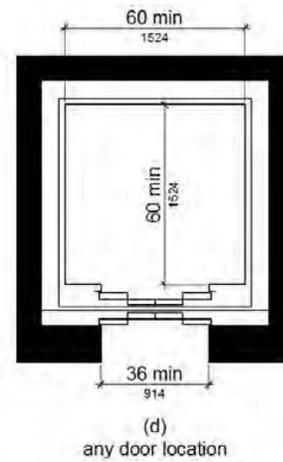
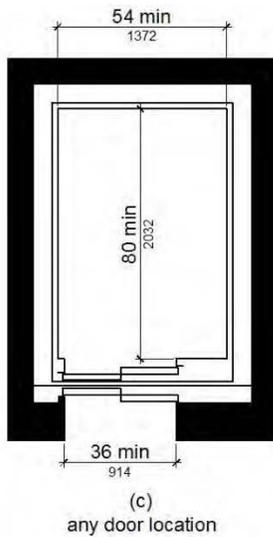
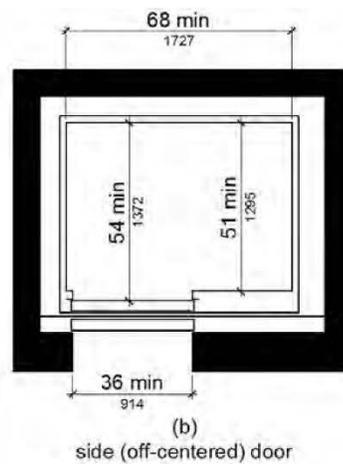
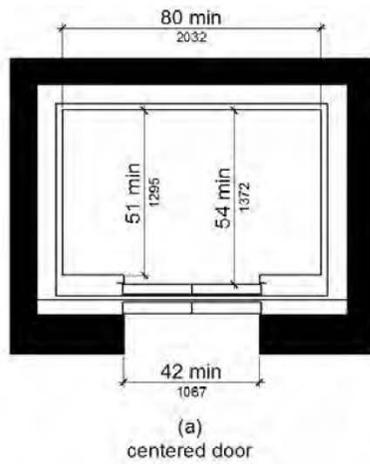


FIGURE 11B-407.4.1
ELEVATOR CAR DIMENSIONS

11B-504 Stairways

11B-504.1 General. Stairs shall comply with *Section 11B-504*.

11B-504.2 Treads and risers. All steps on a flight of stairs shall have uniform riser heights and uniform tread depths. Risers shall be 4 inches (102 mm) high minimum and 7 inches (178 mm) high maximum. Treads shall be 11 inches (279 mm) deep minimum.

11B-504.3 Open risers. Open risers are not permitted.

Exceptions:

1. *On exterior stairways, an opening of not more than ½ inch (12.7 mm) may be permitted between the base of the riser and the tread.*

2. *On exterior stairways, risers constructed of grating containing openings of not more than ½ inch (12.7 mm) may be permitted.*

11B-504.4 Tread surface. Stair treads shall comply with *Section 11B-302*. Changes in level are not permitted.

Exception: Treads shall be permitted to have a slope not steeper than 1:48.

11B-504.4.1 Contrasting stripe. *Interior stairs shall have the upper approach and lower tread marked by a stripe providing clear visual contrast. Exterior stairs shall have the upper approach and all treads marked by a stripe providing clear visual contrast.*

The stripe shall be a minimum of 2 inches (51 mm) wide to a maximum of 4 inches (102 mm) wide placed parallel to, and not more than 1 inch (25 mm) from, the nose of the step or upper approach. The stripe shall extend the full width of the step or upper approach and shall be of material that is at least as slip resistant as the other treads of the stair. A painted stripe shall be acceptable. Grooves shall not be used to satisfy this requirement.

11B-504.5 Nosings. The radius of curvature at the leading edge of the tread shall be ½ inch (12.7 mm) maximum. Nosings that project beyond risers shall have the underside of the leading edge curved or beveled. Risers shall be permitted to slope under the tread at an angle of 30 degrees maximum from vertical. The permitted projection of the nosing shall extend 1 ¼ inches (32 mm) maximum over the tread below.

Exception: *In existing buildings there is no requirement to retroactively alter existing nosing projections of 11/ inches (38 mm) which were constructed in compliance with the building code in effect at the time of original construction.*

11B-505 Handrails

11B-505.1 General. Handrails provided along walking surfaces complying with *Section 11B-403*, required at ramps complying with *Section 11B-405*, and required at stairs complying with *Section 11B-504* shall comply with *Section 11B-505*.

11B-505.2 Where required. Handrails shall be provided on both sides of stairs and ramps.

Exceptions:

1. *In assembly areas, handrails shall not be required on both sides of aisle ramps where a handrail is provided at either side or within the aisle width.*
2. *Curb ramps do not require handrails.*
3. *At door landings, handrails are not required when the ramp run is less than 6 inches (152 mm) in rise or 72 inches (1829 mm) in length.*

11B-505.3 Continuity. Handrails shall be continuous within the full length of each stair flight or ramp run. Inside handrails on switchback or dogleg stairs and ramps shall be continuous between flights or runs.

Exception: *In assembly areas, ramp handrails adjacent to seating or within the aisle width shall not be required to be continuous in aisles serving seating.*

11B-505.4 Height. Top of gripping surfaces of handrails

shall be 34 inches (864 mm) minimum and 38 inches (965 mm) maximum vertically above walking surfaces, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above walking surfaces, stair nosings, and ramp surfaces.

FIGURE 11-B-504.5 STAIR NOSING

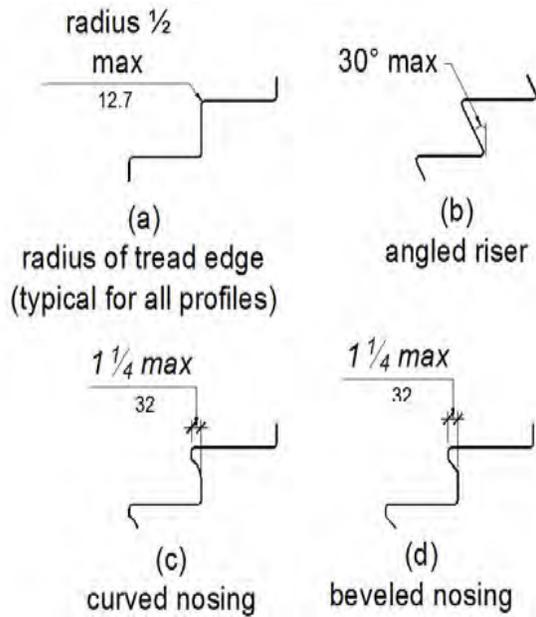
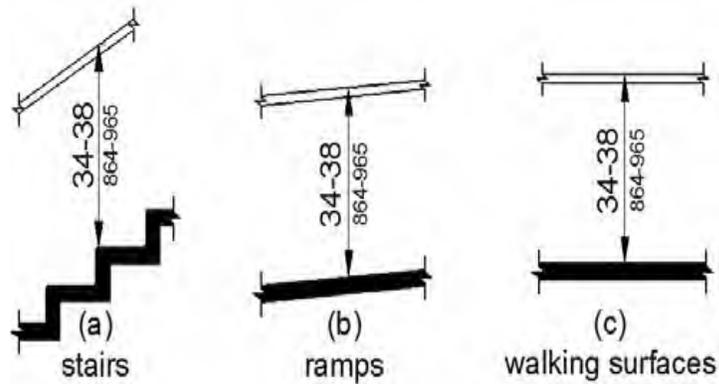


FIGURE 11B-505.4 HANDRAIL HEIGHT



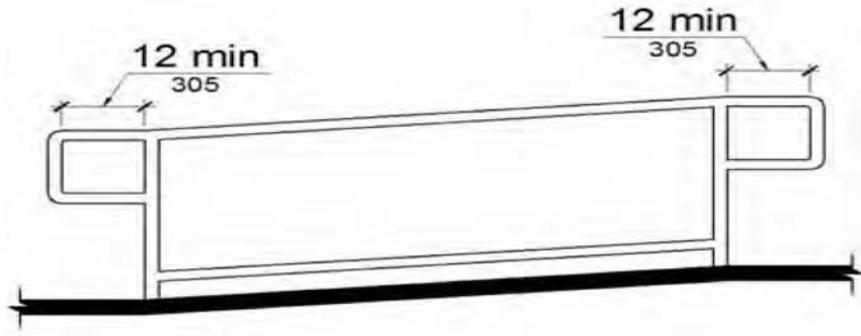


FIGURE 11B-505.10.1
TOP AND BOTTOM HANDRAIL EXTENSION AT RAMPS

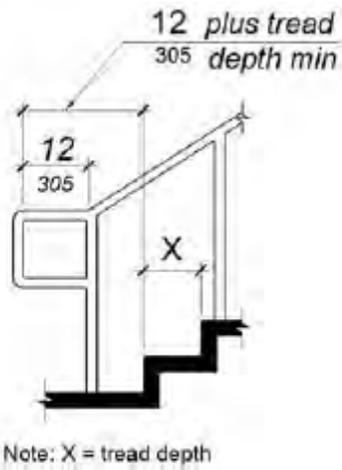


FIGURE 11B-505.10.3
BOTTOM HANDRAIL EXTENSION AT STAIRS

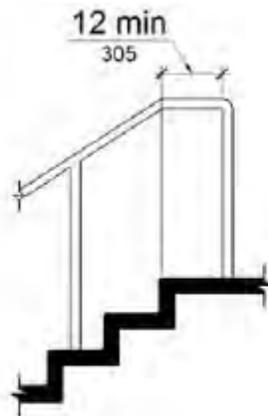


FIGURE 11B-505.10.2
TOP HANDRAIL EXTENSION AT STAIRS