

in a straight run, transitions shall have one of the following:

1. A depth of not less than 22 inches (559 mm) where the treads on the descending side of the transition have greater depth.
2. A depth of not less than 30 inches (762 mm) where the treads on the descending side of the transition have lesser depth.

**1029.10.2.2 Stairways that change direction from stepped aisles.** Transitions where the *stairway* changes direction from the stepped *aisle* shall have a minimum depth of 11 inches (280 mm) or the stepped *aisle* tread depth, whichever is greater, between the stepped *aisle* and *stairway*.

**1029.10.3 Transition marking.** A distinctive marking stripe shall be provided at each *nosing* or leading edge adjacent to the transition. Such stripe shall be not less than 1 inch (25 mm), and not more than 2 inches (51 mm), wide. The edge marking stripe shall be distinctively different from the stepped *aisle* contrasting marking stripe.

**1029.11 Stepped aisles at vomitories.** Stepped *aisles* that change direction at vomitories shall comply with Section 1029.11.1. Transitions between a stepped *aisle* above a vomitory and a stepped *aisle* to the side of a vomitory shall comply with Section 1029.11.2.

**1029.11.1 Stepped aisles that change direction at vomitories.** Stepped *aisle* treads where the stepped *aisle* changes direction at a vomitory shall have a depth of not less than 11 inches (280 mm) or the stepped *aisle* tread depth, whichever is greater. The height of a stepped *aisle* tread above a transition at a vomitory shall comply with Section 1029.14.2.2.

**1029.11.2 Stepped aisle transitions at the top of vomitories.** Transitions between the stepped *aisle* above a vomitory and stepped *aisles* to the side of a vomitory shall have a depth of not less than 11 inches (280 mm) or the stepped *aisle* tread depth, whichever is greater.

**1029.12 Construction.** *Aisles*, stepped *aisles* and ramped *aisles* shall be built of materials consistent with the types permitted for the type of construction of the building.

**Exception:** Wood *handrails* shall be permitted for all types of construction.

**1029.12.1 Walking surface.** The surface of *aisles*, stepped *aisles* and ramped *aisles* shall be of slip-resistant materials that are securely attached. The surface for stepped *aisles* shall comply with Section 1011.7.1.

**1029.12.2 Outdoor conditions.** Outdoor *aisles*, stepped *aisles* and ramped *aisles* and outdoor approaches to *aisles*, stepped *aisles* and ramped *aisles* shall be designed so that water will not accumulate on the walking surface.

**1029.13 Aisle accessways.** *Aisle accessways* for seating at tables shall comply with Section 1029.13.1. *Aisle accessways* for seating in rows shall comply with Section 1029.13.2.

**1029.13.1 Seating at tables.** Where seating is located at a table or counter and is adjacent to an *aisle* or *aisle access-*

*way*, the measurement of required clear width of the *aisle* or *aisle accessway* shall be made to a line 19 inches (483 mm) away from and parallel to the edge of the table or counter. The 19-inch (483 mm) distance shall be measured perpendicular to the side of the table or counter. In the case of other side boundaries for *aisles* or *aisle accessways*, the clear width shall be measured to walls, edges of seating and tread edges.

**Exception:** Where tables or counters are served by *fixed seats*, the width of the *aisle* or *aisle accessway* shall be measured from the back of the seat.

**1029.13.1.1 Aisle accessway capacity and width for seating at tables.** *Aisle accessways* serving arrangements of seating at tables or counters shall comply with the capacity requirements of Section 1005.1 but shall not have less than 12 inches (305 mm) of width plus  $\frac{1}{2}$  inch (12.7 mm) of width for each additional 1 foot (305 mm), or fraction thereof, beyond 12 feet (3658 mm) of *aisle accessway* length measured from the center of the seat farthest from an *aisle*.

**Exception:** Portions of an *aisle accessway* having a length not exceeding 6 feet (1829 mm) and used by a total of not more than four persons.

**1029.13.1.2 Seating at table aisle accessway length.** The length of travel along the *aisle accessway* shall not exceed 30 feet (9144 mm) from any seat to the point where a person has a choice of two or more paths of egress travel to separate *exits*.

**1029.13.2 Clear width of aisle accessways serving seating in rows.** Where seating rows have 14 or fewer seats, the minimum clear *aisle accessway* width shall be not less than 12 inches (305 mm) measured as the clear horizontal distance from the back of the row ahead and the nearest projection of the row behind. Where chairs have automatic or self-rising seats, the measurement shall be made with seats in the raised position. Where any chair in the row does not have an automatic or self-rising seat, the measurements shall be made with the seat in the down position. For seats with folding tablet arms, row spacing shall be determined with the tablet arm in the used position.

**Exception:** For seats with folding tablet arms, row spacing is permitted to be determined with the tablet arm in the stored position where the tablet arm when raised manually to vertical position in one motion automatically returns to the stored position by force of gravity.

**1029.13.2.1 Dual access.** For rows of seating served by *aisles* or doorways at both ends, there shall be not more than 100 seats per row. The minimum clear width of 12 inches (305 mm) between rows shall be increased by 0.3 inch (7.6 mm) for every additional seat beyond 14 seats where seats have backrests or beyond 21 where seats are without backrests. The minimum clear width is not required to exceed 22 inches (559 mm).

**Exception:** For *smoke-protected* or *open-air assembly seating*, the row length limits for a 12-inch-wide