

CHAPTER 10 MEANS OF EGRESS

SECTION 1007.1.1
2021 Edition
IBC Interpretation 86-22
Issued: 6-5-2023
BU_21_86_22

1007.1.1 Two exits or exit access doorways.

Where two *exits*, *exit access doorways*, *exit access stairways* or *ramps*, or any combination thereof, are required from any portion of the *exit access*, they shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the building or area to be served measured in a straight line between them. Interlocking or *scissor stairways* shall be counted as one *exit stairway*.

Exceptions:

1. Where interior *exit stairways* or *ramps* are interconnected by a 1-hour fire-resistance-rated *corridor* conforming to the requirements of Section 1020, the required exit separation shall be measured along the shortest direct line of travel within the corridor.
2. Where a building is equipped throughout with an *automatic sprinkler system* in accordance with Section 903.3.1.1 or 903.3.1.2, the separation distance shall be not less than one-third of the length of the maximum overall diagonal dimension of the area served.

REFERENCED SECTIONS:

1006.2.1 Egress from spaces.

Two *exits* or *exit access doorways* from any space shall be provided where the design *occupant load* or the *common path of egress* travel distance exceeds the values listed in Table 1006.2.1. The cumulative *occupant load* from adjacent rooms, areas or spaces shall be determined in accordance with Section 1004.2.

Exceptions:

1. The number of *exits* from foyers, lobbies, vestibules or similar spaces need not be based on cumulative *occupant loads* for areas discharging through such spaces, but the capacity of the *exits* from such spaces shall be based on applicable cumulative *occupant loads*.
2. Care suites in Group I-2 occupancies complying with Section 407.4
3. Unoccupied mechanical rooms and penthouses are not required to comply with the common path of egress travel distance measurement.

1006.3 Egress from stories or occupied roofs.

The *means of egress* system serving any *story* or occupied roof shall be provided with the number of separate and distinct *exits* or access to *exits* based on the aggregate *occupant load* served in accordance with this section.



Q: Is the intent of Section 1007.1.1 to require the exit access remoteness distance applicable to a room that is required to have two remote exit access ways, based on Section 1006.2.1, to be maintained between the two required exit access routes for their entire route to the approved exits?

A: No. Where two means of egress are required from any portion of the exit access, Section 1007.1.1 requires the means of egress be placed a distance apart equal to not less than one-half (one-third if the building is sprinklered) of the length of the maximum overall diagonal dimension of the building or area to be served measured in a straight line between them. This remoteness requirement assists in providing independent means of egress. While a “separate and distinct” means of egress path must be maintained until an occupant reaches an approved exit as indicated in Section 1006.3, the separation requirements of Section 1007.1.1 are only for the specific exit access points serving a room or space and not along the entire exit access path. The intent, however, is that one fire event would not block both egress paths should they merge at any point along the route to the required exits.
