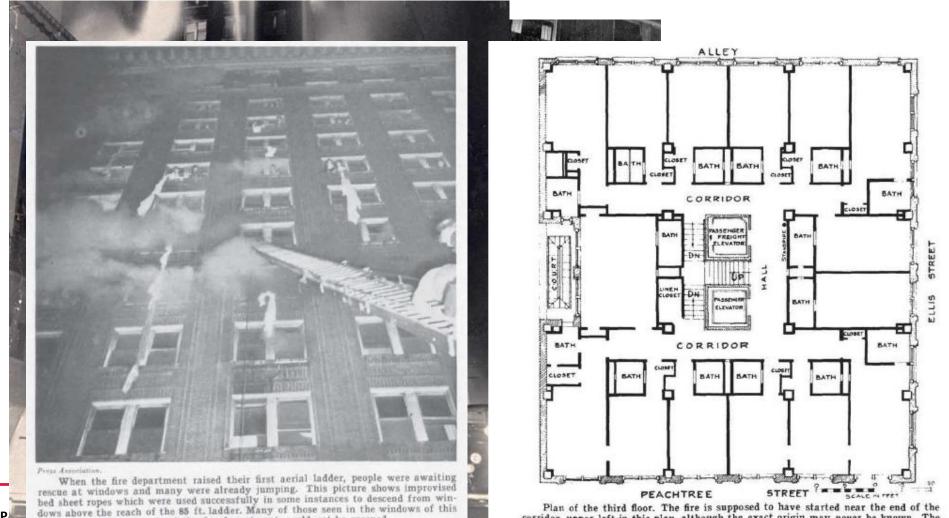


Winecoff Hotel December 7, 1946



corridor, upper left in this plan, although the exact origin may never be known. The

arrangement was the same on all floors above.



NFP

picture, beyond the reach of the fire department, could not be rescued.

1963 — Initial Adoption

- The **1963 edition of NFPA 101** first introduced **single-exit provisions** for certain **low-rise buildings** (four stories or fewer).
- This change was driven by:
 - Fire resistance improvements in stairwells.
 - Research showing that well-protected, fire-rated single egress routes could be effective.
 - The practical difficulty of requiring two exits in small buildings.

• Limitations:

- Allowed in specific residential occupancies.
- Required fire-rated enclosures and travel distance restrictions.



1970s – Refinements and Expanded Use

- Additional research on egress and fire behavior led to expanded allowances in more occupancy types (beyond just residential).
- Tighter fire resistance requirements were implemented to ensure that single-stair designs provided adequate safety.



1980s – Fire Sprinklers and Smoke Control Considerations

- Automatic sprinkler systems became more common, improving fire safety.
- The 1985 edition of NFPA 101 began allowing single exits in more sprinkler-protected buildings, as sprinklers significantly reduced fire spread risks.
- Enhanced smoke control requirements were introduced, ensuring stairwells remained tenable for evacuation



- 1990s Further Alignment with Other Codes
- Refinements to travel distance limits and occupant loads helped clarify where single-stair configurations were acceptable.
- 2000s Data-Driven Adjustments
- **Post-9/11 fire safety research** led to increased scrutiny of high-rise egress, but low-rise buildings continued to have allowances for single stairs.
- More studies on **stairwell survivability and human behavior in fires** helped fine-tune exit requirements.



2018 – Major Modernization

- The **2018 edition of NFPA 101** made key updates, aligning more closely with IBC:
 - More precise rules for single-exit buildings based on occupancy type, travel distance, and fire protection features.
 - Expanded the use of **sprinklers and fire-rated corridors** as compensatory measures.
 - Further refined requirements for smokeproof enclosures to ensure stairwells remained clear during a fire.





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