

Afternoon Session 2

- About the Chicago Building Rehabilitation Code
- Intent of the Rehab Code
- Reason for the Rehab Code
- Applicability of the Rehab Code
- Baseline Requirements
- Compliance Options
- Organization of the Rehab Code





Building Rehabilitation Code

The intent of this code is to provide flexibility to allow the use of alternative approaches to achieve compliance with minimum requirements to safeguard the public health, safety and welfare insofar as they are affected by the *repair*, *alteration*, *change of occupancy*, *addition*, and relocation of *existing buildings*.

Section 14R-1-101.3

Reasons for the Code

- Existing buildings do not comply with new construction requirements
- Full compliance with new construction requirements is cost-prohibitive and sometimes physically impossible
- CBRC provides greater predictability about what is "better than it was" in the context of rehabilitation work
- Additional flexibility for historic buildings







Applicability of the Chicago Building Rehabilitation Code

- Previously-occupied buildings May comply with CBC or CBRC
- Not-previously-occupied buildings and spaces Must comply with CBC (new construction)
- Porches, decks, balconies, accessory structures May be repaired or replaced with matching structure
- Any project may elect to fully comply with new construction requirements (Title 14B)

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Requirements

- regulate the condition and maintenance of existing buildings, existing structures, and outdoors areas,
- establish responsibilities of owners
- establish minimum requirements for:
 - light
- heatingcooling
- space

ventilation

- sanitation
- security
- electricity
 - plumbing
- weather protectionfire protection



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CHICAGO MINIMUM REQUIREMENT FOR EXISTING BUILDINGS



Applies retroactively and prospectively. (14X-1-101.2)

- Ch. 3: Property Maintenance
- Ch. 4: Residential Occupancies
- **Ch. 5:** Fire Safety Requirements
- Ch. 6: Light and Ventilation
- Ch. 7: Electrical Requirements
- Ch. 8: Heating, Cooling, and Mechanical
- Ch. 9: Plumbing Systems and Fixtures
- Ch. 10: Elevators & Conveyance Devices
- Ch. 12: Vacant Buildings





Residential Occupancies (Chapter 4)

- Arrangement and minimum dimensions (minimum area per occupant for units and bedrooms, access to water closets)
- Security devices (locked entrances, unit doors and locks, viewing device(peephole), locks for windows and doors accessible from a balcony or the ground)









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- Mechanical equipment (maintenance of mechanical appliances and equipment, including chimneys and flues, limitation on cooking in SROs and dormitory sleeping rooms)
- Duct systems (maintenance)





Elevators & Conveyance Devices (Chapter 10)

- General (maintenance and certificate of operation required per *Chicago Conveyance Device Code*)
- Elevators (where passenger elevator(s) provided, at least one passenger elevator must be kept in service when building is occupied)



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Accessibility (continued)

TECHNICALLY INFEASIBLE. An *alteration* of a *facility* that has little likelihood of being accomplished because the existing structural conditions require the removal or *alteration* of a load-bearing member that is an essential part of the *primary structural frame*, or because other existing physical or *site* constraints prohibit modification or addition of *elements, spaces* or features which are in full and strict compliance with the minimum requirements for new construction and which are necessary to provide accessibility.



Accessibility—Scoping

- Repair (305.2.1)
- Alteration (305.6)
- Alteration affecting primary function area (305.7)
- Addition (305.5)
- Partial change of occupancy (305.4.1)
- Complete change of occupancy (305.4.2)
- Change of occupancy to residential (305.4.3)

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Accessibility—Scoping (continued)

Where an alteration affects the access to or contains a primary function area, an accessible route must be provided for the primary function area and toilet and drinking fountains serving the primary function area.

Exception: Cost of providing accessible route not required to exceed 20% of the cost of the alterations to the primary function area

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Fire Escapes (continued)

- Construction and dimensional requirements (307.3, 307.4)
- Openings within 10' of fire escape stairway in non-sprinklered buildings must have 45 min. fire protection rating (no requirement for sprinklered building) (307.5)
- Removal of existing fire escape requires ACAR signed by DOB and CFD based on substantial compliance of remaining means of egress with CBC requirements (307.6)





Residential Occupancies— **1 Additional Unit**

- Number of stories limited by construction type (Table 309.1.1)
- For basement units, walls must be impervious to leakage
- Minimum room dimensions (floor area, ceiling height) must meet CBC 1207
- Natural light and ventilation per CBC
- Means of egress required per CBC, except one means of egress may pass through heating plant
- Separation from other units by ½-hour construction or plaster and lath (walls and floor-ceiling)
- Separation from incidental uses per CBC Table 509

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Residential Occupancies— **2+ Additional Units**

- All requirements applicable to adding 1 unit
- Interior exit stairways must be enclosed with 2-hour construction (1-hour if connecting 3 or fewer stories)
- Construction separating existing units from corridors must have 30minute fire-resistance rating
- Construction separating new units from corridors and other units must have 1-hour fire-resistance rating
- Exit stairway and unit doors must be self-closing
- All incidental uses in building must be enclosed per CBC Table 509
- Basement ceiling construction must be 1-hour rated per CBC 605.4.

Change of Use to **Congregate Living Facility** (Co-living)

Triggered by alteration or permit for use as congregate living facilities for first time:

 If more than 3 sleeping units (separately-rented bedrooms), NFPA 13 or 13R sprinkler system is required throughout building.

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Pre-1958 Openings for Light and Ventilation

In Group R occupancies constructed or occupied for residential purposes before January 1, 1958, the minimum dimension of yards and courts for natural light in CBC Section 1205 may be reduced 6 inches.

- New or existing openings in pre-1958 exterior walls
- Not for change of occupancy to Group R









Repair Basics (continued)

- Electrical wiring and equipment may be repaired or replaced with like material (406.1)
 - Special rules for receptacles and Group I-2 receptacles
 - Alternative grounding allowed per Chicago Electrical Code
- Mechanical draft systems allowed for fireplaces (407.2)
 - Natural light and ventilation may not be less compliant (409.1)
- **Plumbing** materials used for repairs must be allowed by *Chicago Plumbing Code* (408.1)
 - New toilets must meet water use limits (408.2)



 Snow damage must be repaired to meet new construction snow load requirements (405.2.1.1)







