

# CHAPTER C5

## EXISTING BUILDINGS

### SECTION ECC C501

#### GENERAL

**C501.1 Scope.** The provisions of this chapter shall control the *alteration, repair, addition and change of occupancy of existing buildings* and structures. This chapter shall not apply to alterations required to comply with new building provisions as determined by 28-101.4.5 of the *New York City Administrative Code*.

**C501.1.1 Existing buildings.** Except as specified in this chapter, this code shall not be used to require the removal, *alteration* or abandonment of, nor prevent the continued use and maintenance of, an *existing building or building system* lawfully in existence at the time of adoption of this code.

**C501.2 Compliance.** *Additions, alterations, repairs, and changes of occupancy* to, or relocation of, existing buildings and structures shall comply with Sections C502, C503, C504 and C505 of this code, as applicable, and with the provisions for alterations, repairs, additions and changes of occupancy or relocation, respectively, in the *New York City Construction Codes*, the *New York City Fire Code*, and the *New York City Electrical Code*.

**Exception:** Additions, alterations, repairs or changes of occupancy complying with 2025 NYC ASHRAE 90.1.

**C501.3 Maintenance.** *Buildings* and structures, and parts thereof, shall be maintained in a safe and sanitary condition. Devices and systems required by this code shall be maintained in conformance to the code edition under which they were installed. The *owner* or the owner's authorized agent shall be responsible for the maintenance of *buildings* and structures. The requirements of this chapter shall not provide the basis for removal or abrogation of energy conservation, fire protection and safety systems and devices in existing structures.

**C501.4 New and replacement materials.** Except as otherwise required or permitted by this code, materials permitted by the applicable code for new construction shall be used. Like materials shall be permitted for *repairs*, provided that hazards to life, health or property are not created. Hazardous materials shall not be used where the code for new construction would not allow use of these materials in *buildings* of similar occupancy, purpose and location.

**C501.5 Historic buildings.** The provisions of this chapter shall control the *repair, alteration, restoration and relocation of structures, and change of occupancy for historic buildings*.

**Exception:** Compliance with the provisions of this code shall not be required for features of *historic buildings* where a historic building report, prepared in accordance with Section C501.5.1, has been submitted and approved by the *building official*.

**C501.5.1 Historic building report.** Written historic building reports shall be signed by a registered design professional or a representative of the State Historic Preservation Office or the historic preservation authority having jurisdiction. Such report shall identify each feature that is a character-defining feature of the historic form, fabric, or function of such *historic building* or historic district and shall demonstrate that compliance with a specific provision or provisions of this code would threaten, degrade or destroy the historic form, fabric or function of the *building* or historic district.

**C501.6 Change in space conditioning.** Any nonconditioned or low-energy *building* or space that is altered to become *conditioned space* shall be required to comply with Section C502.

**Exception:** Where the component performance alternative in Section C402.1.4 is used to comply with this section, the proposed UA shall be not greater than 110 percent of the target UA.

## SECTION ECC C502

### ADDITIONS

**C502.1 General.** *Additions* to an *existing building*, *building system* or portion thereof shall conform to the provisions of this code as those provisions relate to new construction without requiring the unaltered portion of the existing building or building system to comply with this code. *Additions* shall not create an unsafe or hazardous condition or overload existing building systems. An *addition* shall be deemed to comply with this code if the *addition* alone complies or if the existing building and *addition* comply with this code as a single *building*. Altered portions of the building filed in conjunction with an addition shall comply with section C503.

**C502.2 Reserved.**

**C502.3 Compliance.** *Additions* shall comply with Sections C502.3.1 through C502.3.8.

**C502.3.1 Vertical fenestration area.** *Additions* shall comply with the following:

1. Where an *addition* has a new *vertical fenestration* area that results in a total *building fenestration* area less than or equal to that permitted by Section C402.5.1, the addition shall comply with Section C402.1.4, C402.5.3.
2. Where an *addition* with *vertical fenestration* that results in a total *building fenestration* area greater than Section C402.5.1 or an *addition* that exceeds the *fenestration* area greater than that permitted by Section C402.5.1, the fenestration shall comply with Section C402.5.1.1 for the *addition* only.
3. Where an *addition* has *vertical fenestration* that results in a total *building vertical fenestration* area exceeding that permitted by Section C402.5.1.1, the *addition* shall comply with Section C402.1.4.

**C502.3.2 Skylight area.** *Skylights* shall comply with the following:

1. Where an *addition* has new *skylight* area that results in a total *building fenestration* area less than or equal to that permitted by Section C402.5.1, the *addition* shall comply with Section C402.1.4.
2. Where an *addition* has new *skylight* area that results in a total *building skylight* area greater than permitted by Section C402.5.1 or where *additions* have *skylight* area greater than that permitted by Section C402.5.1, the *skylight* area shall comply with Section C402.5.1.2 for the *addition* only.
3. Where an *addition* has *skylight* area that results in a total *building skylight* area exceeding that permitted by Section C402.5.1.2, the *addition* shall comply with Section C402.1.4.

**C502.3.3 Building mechanical systems.** New mechanical systems and equipment that are part of the *addition* and serve the *building* heating, cooling and *ventilation* needs shall comply with Sections C403 and C408.

**C502.3.4 Service water-heating systems.** New service water-heating equipment, controls and service water-heating piping shall comply with Section C404 and Section C408.

**C502.3.5 Pools and inground permanently installed spas.** New pools and inground permanently installed spas shall comply with Section C404.8.

**C502.3.6 Lighting power and systems.** New lighting systems that are installed as part of the *addition* shall comply with Sections C405 and C408.

**C502.3.6.1 Interior lighting power.** The total interior lighting power for the *addition* shall comply with Section C405.3.2 for the *addition* alone, or the *existing building* and the *addition* shall comply as a single *building*.

**C502.3.6.2 Exterior lighting power.** The total exterior lighting power for the *addition* shall comply with Section C405.5.2 for the *addition* alone, or the *existing building* and the *addition* shall comply as a single *building*.

**C502.3.7 Additional energy efficiency credit requirements.** *Additions* shall comply with sufficient measures from Sections C406.2, C406.3, or both to achieve not less than 50 percent of the number of required efficiency credits from Table C406.1.1(1) based on *building* occupancy group and *climate zone*. Where a project contains multiple occupancies, credits from Table C406.1.1(1) for each *building* occupancy shall be weighted by the *gross conditioned floor area* to determine the weighted average project energy credits required. Accessory occupancies shall be included with the primary occupancy group for purposes of this section. *Alterations* to the *existing building* that are not part of the *addition*, but are permitted with an *addition*, shall be permitted to be used to achieve the required credits.

**Exceptions:**

1. *Buildings* in Group U (Utility and Miscellaneous), Group S (Storage), Group F (Factory), Group H (High-Hazard).
2. *Additions* less than 1,000 square feet (93 m<sup>2</sup>) and less than 50 percent of existing floor area.
3. *Additions* that do not include the *addition* or replacement of equipment covered by Tables C403.3.2(1) through C403.3.2(16) or Section C404.2.
4. *Additions* that do not increase *conditioned space*.

**C502.3.8 Renewable energy systems.** *Additions* shall comply with Section C405.15 for the *addition* alone.

## SECTION ECC C503

### ALTERATIONS

**C503.1 General.** *Alterations* to any *building* or structure shall comply with the requirements of Section C503. *Alterations* shall be such that the *existing building* or structure is not less conforming to the provisions of this code than the *existing building* or structure was prior to the *alteration*. *Alterations* to an *existing building*, *building* system or portion thereof shall conform to the provisions of this code as those provisions relate to new construction without requiring the unaltered portions of the existing *building* or *building* system to comply with this code. Subsequent subsections of Section C503 shall not be construed as limiting the scope of Section C503.1 through omission. *Alterations* shall not create an unsafe or hazardous condition or overload *existing building* systems.

**Exception:** The following types of work need not comply with the requirements of this chapter, provided that the energy use of the *building* is not increased:

1. Storm windows installed over existing *fenestration*.
2. Surface-applied window film installed on existing single-pane fenestration assemblies reducing solar heat gain, provided that the code does not require the glazing or

*fenestration* to be replaced.

3. *Roof recover*.
4. *Roof replacement* where roof assembly insulation is integral to or located below the structural roof deck.
5. Roofs without insulation in the cavity and where the sheathing or insulation is exposed during reroofing shall be insulated either above or below the sheathing.
6. *Air barriers* shall not be required for *roof recover* and *roof replacement* where the *alterations* or renovations to the *building* do not include *alterations*, renovations or *repairs* to the remainder of the *building thermal envelope*.
7. Replacement of existing doors that separate *conditioned space* from the exterior shall not require the installation of a vestibule or revolving door, provided, however, that an existing vestibule that separates such *conditioned space* from the exterior shall not be removed.

**C503.2 Building thermal envelope.** *Alterations of existing building thermal envelope* assemblies shall comply with this section. New *building thermal envelope* assemblies that are part of the *alteration* shall comply with Section C402. An area-weighted average *U-factor* for new and altered portions of the *building thermal envelope* shall be permitted to satisfy the *U-factor* requirements in Table C402.1.2. The existing *R-value* of insulation shall not be reduced or the *U-factor* of a *building thermal envelope* assembly be increased as part of a *building thermal envelope alteration*.

**Exception:** Where the *existing building* exceeds the *fenestration* area limitations of Section C402.5.1 prior to *alteration*, the *building* is exempt from Section C402.5.1 provided that there is no increase in *fenestration* area.

**C503.2.1 Roof, ceiling and attic alterations.** Insulation complying with Sections C402.1 and C402.2.1 shall be provided in new cavities and for the following *alterations*:

1. An *alteration* of roof/ceiling construction other than *reroofing* where existing insulation located below the roof deck or on an attic floor above *conditioned space* does not comply with Table C402.1.2.
2. *Roof replacement* or a roof *alteration* that includes removing and replacing the roof covering, where the *roof assembly* includes insulation entirely above the roof deck.
3. Conversion of unconditioned attic space into *conditioned space*.

**Exception:** Where replacement of ceiling finishes exposes cavities of the roof-ceiling construction, that is part of the *building thermal envelope*, the cavities shall be insulated to full depth with insulation that complies with Section C303.1.4 and having a minimum nominal value of R-3.5 per inch.

**C503.2.2 Vertical fenestration.** The addition of *vertical fenestration* that results in a total *building fenestration* area less than or equal to that specified in Section C402.5.1 shall comply with Section C402.1.4, C402.5.3. The addition of *vertical fenestration* that results in a total *building fenestration* area greater than Section C402.5.1 shall comply with Section C402.5.1.1 for the space adjacent to the new fenestration only. *Alterations* that result in a total *building vertical fenestration* area exceeding that specified in Section C402.5.1.1 shall comply with Section C402.1.4.

**C503.2.2.1 Application to replacement fenestration products.** Where some or all of an existing *fenestration* unit is replaced with a new fenestration product, including sash and glazing, the replacement fenestration unit shall meet the applicable requirements for *U-factor* and *SHGC* in Table C402.5.

**Exception:** An area-weighted average of the *U-factor* of replacement fenestration products being installed in the *building* for each fenestration product category listed in Table C402.5 shall be permitted to satisfy the *U-factor* requirements for each fenestration product category listed in Table C402.5. Individual *fenestration* products from different product categories listed in Table C402.5 shall not be combined in calculating the area-weighted average *U-factor*.

**C503.2.3 Skylight area.** New *skylight* area that results in a total *building skylight* area less than or equal to that specified in Section C402.5.1 shall comply with Section C402.1.4 and C402.5. The addition of *skylight* area that results in a total *building skylight* area greater than Section C402.5.1 shall comply with Section C402.5.1.2 for the space adjacent to the new *skylights*. *Alterations* that result in a total *building skylight* area exceeding that specified in Section C402.5.1.2 shall comply with Section C402.1.4.

**C503.2.4 Above-grade wall alterations.** *Above-grade wall alterations* shall comply with the following:

1. New cavities created shall be insulated in accordance with Section C402.1.
2. Where wall cavities are exposed, the cavities shall be insulated to full depth with insulation complying with Section C303.1.4 and having a minimum nominal value of R-3.5 per inch.
3. Where exterior wall coverings and *fenestration* are added or replaced for the full extent of any exterior wall assembly on one or more elevations of the *building*, insulation shall be provided where required in accordance with one of the following:
  - 3.1. An *R-value of continuous insulation* not less than that designated in Table C402.1.3 for the applicable *above-grade wall* type and existing cavity insulation *R-value*, if any;
  - 3.2. An *R-value* of not less than that required to bring the *above-grade wall* into compliance with Table C402.1.2; or,
  - 3.3. An *approved* design that minimizes deviation from the insulation requirements of Section C402.1.
4. Where Items 2 and 3 apply, the insulation shall be provided in accordance with Section C402.1.

**C503.2.5 Floor alterations.** Where an *alteration* to a floor or floor overhang exposes cavities or surfaces to which insulation can be applied, and the floor or floor overhang is part of the *building thermal envelope*, insulation that complies with Section C303.1.4 shall be installed to fill the cavities or the exposed surfaces. New cavities created shall be insulated in accordance with Section C402.1.

**C503.2.6 Below-grade wall alterations.** Below-grade wall *alterations* shall comply with the following:

1. Where unconditioned below-grade space is changed to *conditioned space*, walls enclosing such *conditioned space* shall be required to comply Section C502.
2. Where the below-grade space is *conditioned space* and where walls enclosing such space are altered, they shall be insulated where required in accordance with Section C402.1.

**C503.2.7 Air barrier.** Altered *building thermal envelope* assemblies shall be provided with an *air barrier* in accordance with Section C402.6.1. Such *air barrier* need not be continuous with unaltered portions of the *building thermal envelope*. Testing requirements of Section C402.6.1.2 shall not be required.

**C503.2.8 Building thermal envelope certificate alterations.** The *building thermal envelope* certificate shall be updated to reflect the *building thermal envelope* conditions after the *alteration*.

**Exception:** *Buildings* without a *building thermal envelope* certificate shall follow the provisions of C401.3 for the portions of the *building thermal envelope* within the scope of the *alteration*.

**C503.3 Heating and cooling systems.** New heating, cooling, piping and *duct systems* that are part of the *alteration* shall comply with Section C403 and C408. *Alterations* to heating, *cooling*, duct, and piping systems shall comply with Sections C403 and C408.

**C503.3.1 Economizers.** New cooling systems that are part of *alteration* shall comply with Section C403.5.

**C503.3.2 Mechanical system acceptance testing.** Where an *alteration* requires compliance with Section C403 or any of its subsections, mechanical systems that serve the *alteration* shall comply with Sections C408.2.2, C408.2.3 and C408.2.5.

**Exceptions:**

1. *Buildings* with less than 10,000 square feet (929 m<sup>2</sup>) and a combined heating, cooling and service water-heating capacity of less than 960,000 Btu/h (281 kW).
2. Systems included in Section C403.5 that serve individual *dwelling units* and *sleeping units*.

**C503.3.3 Duct testing.** *Ducts* and plenums designed to operate at static pressures not less than 3 inches water gauge (747 Pa) that serve an *alteration* shall be tested in accordance with this section where the *alteration* includes any of the following:

1. Twenty-five percent or more of the total length of the ducts in the system are relocated.
2. The total length of all ducts in the system is increased by 25 percent or more.

*Ducts* and plenums shall be leak tested in accordance with the SMACNA HVAC Air Duct Leakage Test Manual and shown to have a rate of *air leakage* (CL) less than or equal to 12.0 as determined in accordance with Equation 4-7 of Section C403.13.2.3. Documentation shall be available demonstrating that representative sections totaling not less than 25 percent of the *duct* area have been tested and that all tested sections comply with the requirements of this section.

**C503.3.4 Controls.** New HVACR systems that are part of the alteration shall be provided with controls that comply with Section C403.4. Altered controls shall comply with Section C403.4. Where controls are altered for more than 50% of the terminal distribution elements of a heating or cooling system, the controls for all commonly served terminal distribution elements and the associated, immediately upstream plant equipment shall comply with section C403.4 as new.

**Exceptions:**

1. Controls for terminal distribution elements located in a space occupied by a different tenant than the altered space
2. Control provisions of section C403.4 which are impossible to achieve without an alteration of otherwise unaltered non-control elements of the associated, immediately upstream plant equipment.

**C503.3.5 System sizing.** New heating, cooling and ventilation systems that is part of an alteration shall be sized in accordance with Section C403.1.1 based on the existing building features as modified by the *alteration*.

**Exceptions:**

1. Where it is demonstrated to the *building official* that compliance with this section would result in heating or cooling equipment that is deemed by the commissioner incompatible with the rest of the heating or cooling system.
2. Where it has been demonstrated to the *building official* that the additional capacity will be needed in the future.

**C503.3.6 Replacement or added roof-mounted mechanical equipment.** For *roofs* with insulation entirely above the roof deck and where existing roof-mounted mechanical equipment is replaced or new equipment is added, and the existing roof does not comply with the insulation requirements for new construction in accordance with Sections C402.1 and C402.2.1, curbs for added or replaced equipment

shall be of a height necessary to accommodate the future addition of above-deck roof insulation to be installed in accordance with Section C503.2.1, Item 2. Alternatively, the curb height shall be 17.0 inches (431.8 mm). Curb height shall be the distance measured from the top of the curb to the top of the roof deck.

**C503.4 Service hot water systems.** New service hot water systems that are part of the *alteration* shall comply with Section C404 and C408.

**C503.4.1 Service hot water system acceptance testing.** Where an *alteration* requires compliance with Section C404 or any of its subsections, service hot water systems that serve the *alteration* shall comply with Sections C408.2.3 and C408.2.5.

**Exceptions:**

1. *Buildings* with less than 10,000 square feet (929 m<sup>2</sup>) and a combined heating, cooling and service water-heating capacity of less than 960,000 Btu/h (281 kW).
2. Systems included in Section C403.5 that serve individual *dwelling units* and *sleeping units*.

**C503.5 Lighting systems.** New lighting systems that are part of the *alteration* shall comply with Sections C503.5.1 and C503.5.2.

**Exception:** *Alterations* that replace less than 10 percent of the luminaires in a space, provided that such *alterations* do not increase the installed interior lighting power.

**C503.5.1 Interior lighting and controls.** *Alterations* to interior spaces, lighting or controls shall comply with the following:

1. Where an alteration of an interior space includes the addition or relocation of full height partitions, the space shall comply with Sections C405.2, C405.3 and C408.3.
2. Where the lighting within interior spaces is altered, those spaces shall comply with Sections C405.2, C405.3 and C408.3.
3. Where the lighting controls within interior spaces are altered, those spaces shall comply with Sections C405.2 and C408.3.

**Exception:** Compliance with Section C405.2.8 is not required for *alterations*.

4. Where the connected interior lighting power within a space is increased the existing lighting controls for that space shall undergo functional testing as follows:
  - 4.1 Verify that manual *controls* function.
  - 4.2 Verify that occupant and vacancy sensors automatically turn off the lights when spaces are unoccupied.
  - 4.3 Verify that time switch controls are functioning, set to the correct day and time, programmed with scheduled off times and applicable time changes, and capable of experiencing transient power fluctuations without manual reset.

**C503.5.2 Exterior lighting and controls.** *Alterations* to exterior lighting and controls shall comply with the following:

1. Where the connected exterior lighting power is increased by more than 400 watts, the total exterior connected lighting power of all exterior lighting, including lighting that is not proposed to be altered, shall not exceed the total maximum rated wattage of Section C405.5.
2. Where the combined power of added and replacement luminaires is more than 400 watts, all lighting which is added or altered shall be controlled in accordance with Sections C405.2 and C408.3.

**Exception:** Individual luminaires less than 50 watts provided they pass functional tests verifying *automatic* shut off where daylight is present.

3. Where portions of exterior lighting controls are added or altered, those portions shall comply with Sections C405.2 and C408.3.

**C503.6 Additional energy efficiency credit requirements for alterations.** *Alterations* that are *substantial improvements* shall comply with measures from Sections C406.2, C406.3 or both to earn the number of required credits specified in Table C406.1.1(1) based on *building* occupancy group and *climate zone*. Where a project contains multiple occupancies, credits specified in Table C406.1.1(1) for each *building* occupancy shall be weighted by the gross *conditioned floor area* to determine the weighted average credits required. Accessory occupancies, other than Group F or H, shall be included with the primary occupancy group for the purposes of this section.

**Exceptions:**

1. *Alterations* that do not contain *conditioned space*.
2. Portions of *buildings* devoted to manufacturing or industrial use.
3. Reserved.
4. *Alterations* that are permitted with an *addition* complying with Section C502.3.7.

## SECTION ECC C504

### REPAIRS

**C504.1 General.** *Buildings* and structures, and parts thereof, shall be repaired in compliance with Section C501.3 and this section. Work on nondamaged components that is necessary for the required *repair* of damaged components shall be considered to be part of the *repair* and shall not be subject to the requirements for *alterations* in this chapter. Routine maintenance required by Section C501.3, ordinary *repairs* exempt from *permit* and abatement of wear due to normal service conditions shall not be subject to the requirements for *repairs* in this section.

Where a *building* was constructed to comply with ANSI/ASHRAE/IES 90.1, *repairs* shall comply with the standard and need not comply with Sections C402, C403, C404 and C405.

**C504.2 Application.** For the purposes of this code, the following shall be considered to be *repairs*:

1. Glass-only replacements in an existing sash and frame.
2. *Roof repairs*.
3. *Air barriers* shall not be required for *roof repair* where the *repairs* to the *building* do not include *alterations*, renovations or *repairs* to the remainder of the *building thermal envelope*.
4. Replacement of existing doors that separate *conditioned space* from the exterior shall not require the installation of a vestibule or revolving door, provided that an existing vestibule that separates a *conditioned space* from the exterior shall not be removed.
5. *Repairs* where only the bulb, the ballast or both within the existing luminaires in a space are replaced, provided that the replacement does not increase the installed interior lighting power.

## SECTION ECC C505

### CHANGE OF OCCUPANCY OR USE

**C505.1 General.** *Buildings* or portions of *buildings* undergoing a *change of occupancy* shall comply with this section. Where *changes in occupancy* are made to portions of an *existing building*, only those portions of the *building* shall comply with this section. *Buildings* or portions of *buildings* undergoing a *change of occupancy* without *alterations* shall comply with Section C505.2.

**C505.1.1 Alterations and change of occupancy.** *Alterations* made concurrently with any *change of occupancy* shall be in accordance with Section C503 and this section.

**C505.1.2 Portions of buildings.** Where changes in occupancy and use are made to portions of an *existing building*, only those portions of the *building* shall be required to comply with Section C505.2.

**C505.2 Energy use intensities.** *Building thermal envelope*, space heating, cooling, *ventilation*, lighting and *service water heating* shall comply with Sections C505.2.1 through C505.2.4.

**Exception:** Where it is demonstrated by analysis *approved* by the *building official* that the change will not increase *energy use intensity*.

**C505.2.1 Building thermal envelope.** Where a *change of occupancy* results in a *fenestration* area greater than the maximum *fenestration* area allowed by Section C402.5.1, the *building* shall comply with Section C402.1.4, with a proposed UA that shall be not greater than 110 percent of the target UA.

**Exception:** Where the *change of occupancy* or use is made to a *building* or a portion of the *building* that is less than 2,000 square feet, the new occupancy is exempt from Section C402.5.1, provided that there is not an increase in *fenestration* area.

**C505.2.2 Building mechanical systems.** Where a *change of occupancy* or use results in the same or an increased *energy use intensity* rank as specified in Table C505.2.2, the systems serving the *building* or space undergoing the change shall comply with Section C403.

**TABLE C505.2.2  
BUILDING MECHANICAL SYSTEMS**

ENERGY USE INTENSITY RANK	NEW YORK CITY BUILDING CODE OCCUPANCY CLASSIFICATION AND USE
High	A-2, B (laboratories), I-2
Medium	A-1, A-3, <sup>a</sup> A-4, A-5, B, <sup>b</sup> E, I-1, I-3, I-4, M
Low	A-3 (places of religious worship), R-1, R-2, R-3, <sup>c</sup> S-1, S-2, F, H, U

a. Excluding places of religious worship.

b. Excluding laboratories.

c. Buildings three stories or less in height above grade plane shall comply with Section R505.

**C505.2.3 Service water heating.** Where a *change of occupancy* or use results in the same or an increased *energy use intensity* rank as specified in Table C505.2.3, the *service water heating* systems serving the *building* or space undergoing the change shall comply with Section C404.

**TABLE C505.2.3  
SERVICE WATER HEATING**

ENERGY USE INTENSITY RANK	NEW YORK CITY BUILDING CODE OCCUPANCY CLASSIFICATION AND USE
High	A-2, I-1, I-2, R-1
Low	All other occupancies and uses

**C505.2.4 Lighting.** Where a *change of occupancy* or use results in the same or an increased *energy use intensity* rank as specified in Table C505.2.4, the lighting systems serving the *building* or space undergoing the change shall comply with Section C405 except for Section C405.4.

**TABLE C505.2.4  
LIGHTING**

ENERGY USE INTENSITY RANK	NEW YORK CITY BUILDING CODE OCCUPANCY CLASSIFICATION AND USE
High	B (laboratories), B (outpatient healthcare), I-2, M
Medium	A-2, A-3 (courtrooms), B, <sup>a</sup> I-1, I-3, I-4, R-1, R-2, R-3, <sup>b</sup> R-4, S-1, S-2
Low	A-1, A-3, <sup>c</sup> A-4, E

a. Excluding laboratories and outpatient healthcare.

b. Buildings three stories or less in height above grade plane shall comply with Section R505.

c. Excluding courtrooms.