

Amendments To The International Fire Code, 2009 Edition.

(A) Subsection 101.1, Title, of *2009 International Fire Code*[®] is amended to read as follows:

101.1 Title. These regulations shall be known as the *Fire Code* of the City of Northglenn, hereinafter referred to as “this code.”

(B) Subsection 102.5, Application of Residential Code, of *2009 International Fire Code*[®] is amended by the addition of an EXCEPTION, to Item 1 only, to read as follows:

EXCEPTION: Dwelling unit fire sprinkler systems, or portions thereof, installed in accordance with Section P2904 of the *2009 International Residential Code*[®] do not require a permit. Nevertheless, dwelling unit fire sprinkler systems, or portions thereof, installed in accordance with NFPA 13D require a permit pursuant to Section 105.7.1 of this code.

(C) Subsection 102.7, Referenced Codes and Standards, of *2009 International Fire Code*[®] is amended by adding the following sentence: “Where this code refers to the ICC Electrical Code it means the latest edition of the *National Electrical Code*[®] adopted by the State of Colorado.”

Section 103.2 (Appointment) Is deleted in its entirety and is amended as follows:

THE FIRE CODE OFFICIAL SHALL BE APPOINTED BY THE CHIEF APPOINTING AUTHORITY OF THE JURISTITION

(D) Subsection 105.4.1, Submittals, of *2009 International Fire Code*[®] is amended to read as follows:

105.4.1 Submittals. Construction documents shall be submitted in one or more sets and in such form and detail as required by the fire code official. The construction documents shall be prepared by a registered design professional when said documents are submitted in support of an application for a construction permit required by Sections 105.7.1, 105.7.3, 105.7.5, 105.7.6, 105.7.8, 105.7.13, or 105.7.15. When requested, qualification statements shall be submitted to the fire code official for the registered design professional to demonstrate compliance with the professional qualifications defined in Section 202.

(E) A new Subsection 105.4.7 of *2009 International Fire Code*[®] is added to read as follows:

105.4.7 Fire Protection and Life Safety Analysis. The fire code official may require the owner or agent to provide, without charge to the jurisdiction, a Fire Protection and Life Safety Analysis prior to submitting construction drawings for high-rise buildings; covered mall buildings; buildings containing atriums connecting more than two stories; buildings containing high-piled combustible storage; Group A occupancies with an occupant load of 300 or more; Group H occupancies requiring a Hazardous Materials Management Plan and/or a Hazardous Materials Inventory Statement in accordance with Chapter 27; Groups I-2 and I-3 occupancies; any building, structure, or facility utilizing a performance-based approach to design in accordance with Sections 104.8 or 104.9; and other structures or facilities as required by the fire code official. A Fire Protection and Life Safety Analysis shall provide a description of the fire protection and life safety systems design for the proposed building and/or facility. This description shall include the basic concepts used for suppression, alarm, notification, egress, fire-resistive assemblies, smoke control, stair pressurization, and other related systems; as well as the coordination of those systems. Upon completion of the project, a copy of the approved documentation shall be maintained at the site and by the fire code official until demolition of the building and/or facility. The Fire Protection and Life Safety Analysis shall:

1. Be prepared by a qualified engineer, specialist, laboratory, or fire safety specialty organization acceptable to the fire code official;
2. Bear the seal of a registered design professional;
3. Include a preliminary plan of the building, facility, or structure, drawn to scale upon suitable material;
4. Provide an analysis of fire protection water supplies for the building, facility, or structure, in accordance with Section 507;
5. Explain the intended use of the building, facility, or structure, or the applicable portions thereof, including special processes, the materials within the building, and the maximum height of any storage;
6. Describe all active and passive fire protection features of a specific facility, including, but not limited to, the basic concepts used for fire suppression, alarm, notification, egress, fire-resistive assemblies, smoke control, stair pressurization, and other related systems, as well as the coordination and integration of those systems with one another; and
7. Analyze the design, operation, use, coordination, and interaction of the fire-protection and life-safety systems.

Prior to issuing operational or construction permits required by this code, the fire code official must determine, with reasonable certainty, that the fire protection and life safety features as documented in the Fire

Protection and Life Safety Analysis achieve minimum code compliance and provide the level of protection intended by this code.
The fire code official shall specify the required organization, content categories, and format of the Fire Protection and Life Safety Analysis.

(F) Subsection 105.7.5, Fire Alarm and Detection Systems and Related Equipment, of *2009 International Fire Code*[®] is amended to read as follows:

105.7.5 Fire alarm and detection systems and related equipment. A construction permit is required for installation of or modification to fire alarm and detection systems and related equipment, including emergency alarm systems (Section 908) and smoke control systems (Section 909). Maintenance performed in accordance with this code is not considered a modification and does not require a permit.

(G) A new Subsection 105.7.15, Explosion Control, of *2009 International Fire Code*[®] is added to read as follows:

105.7.15 Explosion control. A construction permit is required to install or modify explosion control provided as required in Section 911.

(H) Subsection 106.2.1, Inspection Requests, of *2009 International Fire Code*[®] is amended by adding the following sentence: "Whenever any installation subject to inspection prior to use is required, the fire code official is authorized to require that every such request for inspection be filed not less than two working days before such inspection is desired."

(I) Section 108, of *2009 International Fire Code*[®], is repealed in its entirety and re-enacted to read as follows:

Section 108. Appeals. Appeals of orders, decisions or determinations made by the Fire Code Official relative to the application and interpretation of this code may be made to the Northglenn Board of Adjustment. Appeals shall be in accordance with Section 11-42-5 of the Northglenn Zoning Ordinance.

(J) Subsection 109.3, Violation Penalties, of *2009 International Fire Code*[®] is amended to read as follows:

109.3 Violation penalties. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair, or do work in violation of the approved construction documents or directive of the fire code official, of a permit or certificate used under provisions of this code, shall be punishable as

prescribed in Section 1-1-10(A)(2) of the Northglenn Municipal Code. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

(K) Subsection 111.4, Violation Penalties, of *2009 International Fire Code*® is amended to read as follows:

111.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable for such penalties as prescribed in Section 1-1-10(A)(2) of the Northglenn Municipal Code.

(L) Section 113, Fees, of *2009 International Fire Code*® is repealed in its entirety and re-enacted to read as follows:

SECTION 113 FEES

113.1 Fees. The imposition of fees for inspection-related services pursuant to provisions of this code shall be in accordance with this Section 113. The fees set forth in this Section 113 shall be paid to the North Metro Fire Rescue District.

EXCEPTION: The government of the United States of America, the state and its political subdivisions, the city and county, and all agencies and departments thereof shall be exempt from the payment of fees for work performed on buildings or structures owned wholly by such agencies or departments and devoted to governmental use.

113.2 Payment of fees. A permit shall not be valid until the fees prescribed by law have been paid; nor shall an amendment to a permit be released until the additional fee, if any, has been paid.

113.3 Operational Permit Fee. An inspection fee shall be charged for any operational permit required by Section 105.6. The inspection fee shall be based upon the time required to conduct inspections authorized by Section 105.2.2 and associated activities, to determine compliance with this code and other applicable laws and ordinances as required by Section 105.2.4, and to issue the permit as specified in Section 105.3.7.

The Operational Permit Fee shall be calculated at the rate of \$50.00 per hour, with a minimum Operational Permit Fee of \$25.00.

113.4 Construction Permit Fee. A fee shall be charged for any construction permit required by Section 105.7 of this code. The fee for a construction permit shall be

established pursuant to Table 113.4. The construction permit fee is intended to cover the cost of inspections required or requested in connection with the work for which the permit is granted, and the associated costs of processing the application. An application for a permit shall include an estimate of the total value of the work, including materials and labor, for which the permit is being sought. If, in the opinion of the fire code official, the valuation is underestimated on the application, the permit shall be denied, unless written estimates are provided in a form acceptable to the fire code official, and that support the valuation set forth in the application. Final construction permit valuation shall be set by the fire code official.

Table 113.4
Construction Permit Fee

<i>Total Valuation</i>	<i>Fees</i>
\$1.00 to \$500.00	\$23.50
\$500.01 to \$2,000.00	\$23.50 for the first \$500.00, plus \$3.05 for each additional \$100.00 or fraction thereof, to and including \$2,000.00.
\$2,000.01 to \$25,000.00	\$69.25 for the first \$2,000.00, plus \$14.00 for each additional \$1,000.00 or fraction thereof, to and including \$25,000.00.
\$25,000.01 to \$50,000.00	\$391.75 for the first \$25,000.00, plus \$10.10 for each additional \$1,000.00 or fraction thereof, to and including \$50,000.00.
\$50,000.01 to \$100,000.00	\$643.75 for the first \$50,000.00, plus \$7.00 for each additional \$1,000.00 or fraction thereof, to and including \$100,000.00.
\$100,000.01 to \$500,000.00	\$993.75 for the first \$100,000.00, plus \$5.60 for each additional \$1,000.00 or fraction thereof, to and including \$500,000.00.
\$500,000.01 and up	\$3,233.75 for the first \$500,000.00, plus \$4.75 for each additional \$1,000.00 or fraction thereof.

Fees for re-inspections, for inspections outside normal business hours, or for inspections for which no fee is otherwise established shall be \$50.00 per hour for each inspector. The minimum fee for miscellaneous inspections and for re-inspections shall be \$50.00. The minimum fee for requested inspections outside normal business hours shall be \$100.00.

113.5 Plan Review Fee. The Plan Review Fee is intended to cover the significant

costs and expenses incurred by the Fire District in reviewing materials necessary to perform appropriate inspections of construction, uses, processes, and operations. The fee shall be assessed based on the reasonable, customary, and necessary time associated with reviewing or evaluating site plans; construction documents and calculations; changes, additions, or revisions to approved plans; construction documents resubmitted after the fire code official's issuing a written statement explaining the reasons that a previous submittal does not conform to the requirements of this code and the laws and ordinances applicable thereto; rational engineering analyses; requests to use alternate materials and methods; performance-based designs; technical opinions and reports; hazardous materials management plans and hazardous materials inventory statements required by the fire code official pursuant to Sections 407, 2701.5, or 3305.2.1; and all other types of plans necessary to implement, administer, and enforce the provisions of this code. When submittal documents are incomplete or changed so as to require additional plan review, an additional Plan Review Fee shall be charged.

The Plan Review Fee required by this Section 113.5 is separate from the Construction Permit Fee required by Section 113.4.

113.5.1 Initial Construction-Document Review. The Plan Review Fee for the initial submittal of construction documents in support of an application for a construction permit shall be equal to 65 percent of the Construction Permit Fee. The Plan Review Fee shall be paid at the time of submitting construction documents for plan review.

113.5.2 Other Plan Reviews. Other than review of the initial submittal of construction documents pursuant to Section 113.5.1, all other Plan Review Fees shall be calculated at the rate of \$50.00 an hour, with a minimum Plan Review Fee of \$25.00.

113.7 Unauthorized Work Inspection Fee. Any person or entity who commences any work before obtaining a construction permit required by Section 105.7 shall be subject to an inspection fee in an amount equal to the amount of the Construction Permit Fee or \$250.00, whichever is greater. The fee shall be separate from and in addition to a Construction Permit Fee. Payment of the inspection fee shall not relieve any person from compliance with all other provisions of this code or from any penalty prescribed by law. The inspection fee shall be assessed regardless whether or not a construction permit is then or subsequently issued.

EXCEPTION: When approved in writing by the fire code official, work may commence prior to obtaining a construction permit.

113.8 Related Fees. The payment of the fee for construction, uses, processes, or operations authorized by an operational permit or construction permit shall not relieve the applicant or holder of the permit from the payment of other fees that are prescribed

by law or required by Section 113.

113.9 Fee Refunds. The fire code official is authorized to establish a fee refund policy.

(M) Section 202, General Definitions, of *2009 International Fire Code*[®] is amended by defining “REGISTERED DESIGN PROFESSIONAL” to read as follows:

REGISTERED DESIGN PROFESSIONAL. An engineer, licensed to practice professional engineering, as defined by the statutory requirements of the professional licensure laws of the State of Colorado, who shall be responsible and accountable to possess the required knowledge and skills to perform design, analysis, and verification in accordance with the provisions of this code and applicable professional standards of practice.

(N) Subsection 311.5, Placards, of *2009 International Fire Code*[®] is deleted in its entirety.

(O) Subsection 504.3, Stairway access to roof, of *2009 International Fire Code*[®] is amended to read as follows:

504.3 Stairway access to roof. New buildings four or more stories above grade plane, except those with a roof slope greater than four units vertical in 12 units horizontal (33.3-percent slope), shall be provided with a stairway to the roof. When an exit enclosure is required by Section 1022, the stairway to the roof shall be located within an exit enclosure. Stairway access to the roof shall be in accordance with Section 1009.13. Such stairway shall be marked at street and floor levels with a sign indicating that the stairway continues to the roof. Where roofs are used for roof gardens or for other purposes, stairways shall be provided as required for such occupancy classification.

(P) A new Section 511, Fire Protection in Recreational Vehicle, Mobile Home, and Manufactured Housing Parks, Sales Lots, and Storage Lots, of *2009 International Fire Code*[®] is added to read as follows:

511 Recreational vehicle, mobile home, and manufactured housing parks, sales lots, and storage lots. Recreational vehicle, mobile home, and manufactured housing parks, sales lots, and storage lots shall provide and maintain fire hydrants and access roads in accordance with Sections 503 and 507.

EXCEPTION: Recreational vehicle parks located in remote areas shall be provided with protection and access roadways as

required by the fire code official.

(Q) A new Section 603.10, Carbon monoxide alarm and detector maintenance, inspection, and testing, of 2009 *International Fire Code*[®] is added to read as follows:

603.10 Carbon monoxide alarm and detector maintenance, inspection, and testing. The building owner shall be responsible to maintain all carbon monoxide alarms and detectors in an operable condition at all times. Maintenance, inspection, and testing shall be performed in accordance with the manufacturer's instructions or nationally recognized standards. A written record shall be maintained and shall be made available to the fire code official.

(R) Subsection 903.2.6, Group I, of 2009 *International Fire Code*[®] is amended to read as follows:

903.2.6 Group I. An automatic sprinkler system shall be provided throughout buildings with a Group I fire area.

903.2.6.1 Group I-1. An automatic sprinkler system installed in accordance with Section 903.3.1.2 or 903.3.1.3 shall be allowed in Group I-1 facilities.

EXCEPTION: An automatic sprinkler system installed in accordance with Section 903.3.1.1 shall be provided throughout Group I-1 facilities that meet the federal Fair Housing Act definition of senior housing or housing for older persons.

(S) Subsection 903.2.7, Group M, of 2009 *International Fire Code*[®] is amended by replacing Condition 4 in its entirety with:

4. A Group M Occupancy that is used for the display and sale of upholstered furniture or mattresses exceeds 5,000 square feet (464 m²).

(T) Subsection 903.2.8, Group R, of 2009 *International Fire Code*[®] is amended to read as follows:

903.2.8 Group R. An automatic sprinkler system installed in accordance with Section 903.3 shall be provided throughout all buildings with a Group R fire area.

EXCEPTION #1: An automatic sprinkler system installed in accordance with Section 903.3.1.1 shall be provided

throughout all Group R-2 occupancies that meet the federal Fair Housing Act definition of senior housing or housing for older persons.

EXCEPTION #2: Single family and Townhomes in accordance with the 2009 International Residential Code

(U) Subsection 905.2, Installation Standard, of *2009 International Fire Code*® is amended to read as follows:

905.2 Installation standard. Standpipe systems shall be installed in accordance with this section and NFPA 14. Fire hose is not required for any class of standpipe system.

(V) Subsection 912.1, Installation, of *2009 International Fire Code*® is amended to read as follows:

912.1 Installation. Fire department connections shall be installed in accordance with this section and the NFPA standard applicable to the system design and shall comply with Sections 912.2 through 912.6. Where fire department connections are required, the number of 2.5-inch inlets provided shall not be less than one for each 250 gallons per minute of system demand or major fraction thereof, to a maximum of six 2.5-inch inlets. Each 2.5-inch inlet shall be equipped with a clapper valve to allow each hose to be connected and charged before the addition of more hoses.

(W) Section 3301.1.3, Fireworks, of *2009 International Fire Code*® is amended by deleting Exception 4.

(X) Subsection 3404.2.9.6.1, Locations Where Above-ground Tanks are Prohibited, of *2009 International Fire Code*® is amended to read as follows:

3404.2.9.6.1 Locations where above-ground tanks are prohibited. The storage of Class I and II liquids in above-ground tanks outside of buildings is prohibited within the City of Northglenn.

EXCEPTIONS:

1. When approved by the fire code official. Notwithstanding other provisions of this chapter for above-ground tanks, Sections 3404.2.9.6.1.1 and 3404.2.9.6.1.2 shall not apply to

Class I and II liquids unless the storage of such liquids is approved by the fire code official.

2. Protected above-ground tanks in accordance with Section 3404.2.9.7 and tanks in at-grade or above-grade vaults in accordance with Section 3404.2.8. For such tanks provided with intrinsic secondary containment, the distances in Table 22.4.1.1(b) of NFPA 30 shall apply and shall be reduced by one-half, but not to less than 5 feet (1524 mm).

(Y) Subsection 3406.2.4.4, Locations Where Above-ground Tanks are Prohibited, of *2009 International Fire Code*[®] is amended to read as follows:

3406.2.4.4 Locations where above-ground tanks are prohibited. The storage of Class I and II liquids in above-ground tanks is prohibited within the City of Northglenn.

EXCEPTION: When approved by the fire code official.

(Z) Subsection 3804.2, Maximum Capacity Within Established Limits, of *2009 International Fire Code*[®], retaining the Exception as printed, is amended to read as follows:

3804.2 Maximum capacity within established limits. Within the City of Northglenn, the aggregate capacity of any one installation shall not exceed a water capacity of 2,000 gallons (7570 L).

(AA) Subsection 4601.1, Scope, of *2009 International Fire Code*[®] is amended to read as follows:

4601.1 Scope. The provisions of this chapter shall apply to existing buildings constructed prior to the adoption of this code.

EXCEPTION: Buildings, portions of buildings, and life safety components therein, including the means of egress, that currently comply with the code under which constructed.

(BB) The NFPA standards in Chapter 47, Referenced Standards, of *2009 International Fire Code*[®] are retained except as modified in the following table:

NFPA

Standard reference number	Change to
12-05	12-08
12A-04	12A-09
13-07	13-10
13D-07	13D-10
13R-07	13R-10
17-02	17-09
17A-02	17A-09
20-07	20-10
22-03	22-08
24-07	24-10
59A-06	59A-09
72-07	72-10
80-07	80-10
101-06	101-09
105-07	105-10
170-06	170-09
241-04	241-09
260-03	260-09
261-03	261-09
484-06	484-09
703-06	703-09
1123-06	1123-10