

In City of Bastrop, Texas
Amendments to 2018 International Fire Code
With Adoption of Appendices B, C, D, E, F, H, I, and N

2018 International Fire Code – City of Bastrop, TX Local Amendments:

[Amend] 101.1 – These regulations shall be known as the Fire Code of the City of Bastrop, Texas, hereinafter referred to as “this code”.

[Amend] 102.6 – The provisions of this code relating to the construction, alteration, repair, enlargement, restoration, relocation or moving of buildings or structures shall not be mandatory for existing buildings or structures identified and registered by the state or local jurisdiction as historic buildings where such buildings or structures and the proposed use therein do not constitute a distinct hazard to life or property, as determined by the fire code official. Fire protection in designated historic buildings shall be provided with an *approved* fire protection plan as required in Section 1103.1.1 and in accordance with NFPA 914.

[Amend] 103.3 – Deputies. In accordance with the prescribed procedures of this jurisdiction and with the concurrence of the appointing authority, the *fire code official* shall have the authority to appoint a deputy *fire code official*, other related technical officers, inspectors, and other employees. Where the terms “fire code official”, “fire chief”, “chief”, “fire department”, or “fire marshal” are used in the Fire Code, the provisions shall apply to any fire department employee in the execution of their assigned duties, as delegated and appointed by the fire chief.

[Add] 104.1.1 – Authorized Personnel. The fire chief and members of the fire department assigned to enforce the Fire Code are authorized to issue municipal citations / summons for violations of the Fire Code.

[Amend] 104.3 - Where it is necessary to make an inspection to enforce the provisions of this code, or where the fire code official has reasonable cause to believe that there exists in a building or upon any premises any conditions or violations of this code which make the building or premises unsafe, dangerous or hazardous, the fire code official shall have the authority to enter the building or premises at all reasonable times to inspect or to perform the duties imposed upon the fire code official by this code. If such building or premises is occupied, the fire code official shall present credentials to the occupant and request entry. If such building or premises is unoccupied, the fire code official shall first make a reasonable effort to locate the owner, the owner's authorized agent or other person having charge or control of the building or premises and request entry. If entry is refused, the fire code official has recourse to every remedy provided by law to secure entry.

No owner, occupant, or any other person having charge, care, or control of any building or premises shall fail, neglect, or refuse, after proper demand is made as herein provided, to properly permit entry therein by the Fire Chief or his authorized representative for the purpose of inspection or examination under such exigent circumstances affecting the safety of persons and/or property, or to take such prudent action to extinguish a fire or abate a fire hazard.

[Add] 104.3.2 - Photographic Documentation. Members of the Fire Department making such examinations or inspections shall have the right, with proper credentials, and be authorized to

take a reasonable number of photographs or record video for evidence, as well as for records for use by the Fire Department to study hazards and scientific control for fire safety.

[Amend] 105.4.4 - Approved documents. Construction documents approved by the Fire Code Official are approved with the intent that such construction documents comply in all respects with this code. The issuance or granting approval of plans and specifications or other construction documents is not an approval of any violation of this Code or of any other ordinance of the jurisdiction. An approval presuming to give authority to violate or cancel the provisions of this Code is not valid. Review and approval by the fire department shall not relieve the applicant of the responsibility of compliance with this code. The issuance of an approval based on plans, specifications and other data shall not prevent the Fire Code Official from requiring the correction of errors in the plans, specifications or other data, or from preventing processes, building operations or uses being carried on when in violation of this code or any other code of this jurisdiction.

[Amend] 105.6 – Required Operational Permits. The fire code official is authorized to issue operational permits for the operations set forth in Sections 105.6.1 through 105.6.51.

[Add] 105.6.51 Mobile Food Establishments. An operational permit is required for the operation and maintenance of a mobile food establishment. Small, light weight vendor push carts, as determined by the fire code official, are not covered under this section. For permit to operate a Mobile Food Establishment see Section 319.

[Add] 105.7.9.1 Construction Documents. The construction documents for the following tanks shall be prepared by a professional engineer licensed by the State of Texas:

1. Above ground storage tanks (AST) of 1320 gallons (5031 L) or larger used to store flammable liquids. (Class IA, 1B, IC)
2. All underground tanks used for the storage and dispensing of flammable or combustible liquids.

[Add] 110.2.1 Removal of Occupants. A member of the Fire Department is authorized to require the removal of occupants at a location when actual occupancy exceeds the permitted or posted occupant load. A person commits an offense, as indicated in Section 109.4, if they refuse to obey an order to vacate.

[Amend] 110.4 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, or of a Permit or certificate used under the provisions of this code shall be guilty of a Class C Misdemeanor, punishable by a fine of up to \$500 per infraction. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

[Amend] 112.4 Failure to Comply. Any person who continues 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 to a fine of not less than \$25 dollars or more than \$500 dollars.

[Amend] 307.1.1 Prohibited Open Burning. It shall be unlawful for any person within the city limits, in anyway, to intentionally, knowingly or carelessly burn or cause to be burned any combustibles, including but not limited to grass, weeds, timber, rubbish, leaves, or other natural or synthetic materials, garbage, trash, rubbish, litter, solid waste, hazardous waste or any such like substances on any street, alley, lot or premises. Such prohibited fires shall include bonfires and fires used for ceremonial purposes not in compliance herewith.

Exceptions:

1. Burning conducted for the purposes of outdoor cooking and warming in a device approved for such purpose and in compliance with this code. No burning of waste or garbage shall be permitted in such devices.
2. Firefighter training conducted under the supervision of the Fire Code Official, or designee.
3. On-site land clearing on lots of greater than two acres upon which the owner intends to clear the lot itself of selected trees, brush and other natural plant growth and when approved by the Fire Code Official, or designee, and the onsite land clearing is conducted in compliance with state, federal and local laws and regulations. A permit shall be required and approved safety measures shall be employed in accordance with 105.6,
4. Prescribed burning for the purpose of reducing the impact of wildland fire when authorized by the Fire Code Official. A permit shall be required and approved safety measures shall be employed in accordance with 105.6 and 307.2.

[Amend] 307.4 Location. When authorized by permits in accordance with section 105.6 and 307.2, unless otherwise approved by the Fire Code Official, the location for burning shall not be less than 100 feet from any structure and provisions shall be made to prevent the fire from spreading to within 100 feet of any structure. Such fires shall be constantly attended by a competent person with an approved means to extinguish the fire and reliable communication capabilities.

[Amend] 307.4.1 Bonfires. A bonfire shall not be conducted within 100 feet from any structure or combustible material unless the fire is contained in a barbecue pit or similarly approved container. Conditions that could cause a fire to spread within 100 feet shall be eliminated prior to ignition. A permit must be obtained to conduct a bonfire.

[Add] 308.5 Fire Hazard Prohibited. A person shall not construct, erect, install, maintain or use any incinerator, barbecue pit, grill, fire pit/ring, heating device, or so burn any combustible material as to constitute or cause a fire hazard by the use or burning thereof or as to endanger the life or property of any person thereof. The use or burning of any such devices under the following conditions shall constitute a fire hazard and is strictly prohibited:

1. Within 20 linear feet of any combustible surface or material, including but not limited to decks, porches, balconies, walls, or verandas.
2. Beneath any balcony, porch, roof overhang, deck, or veranda.

Exception: Single Family Residences (excluding duplexes and townhomes)

[Amend] 503.2.2 Authority. The fire code official shall have the authority to require or permit modifications to the required access widths.

[Amend] 503.2.3 Surface. Fire apparatus access roads shall be designed and maintained to support the imposed loads of fire apparatus and shall be surfaced so as to provide all-weather driving capabilities by either asphalt or concrete surfaces.

Drivable grass surfaces, or other alternative drivable surfaces, are permitted when approved by the Fire Code Official or his designee and in accordance with all of the following conditions:

1. Sealed documents indicating compliance with the provisions of 503.2.3 shall be submitted by a registered design professional for review.
2. The surface shall be capable of supporting the imposed load of fire apparatus weighing at least 84,000 pounds.
3. Red traffic reflectors shall be provided on each side of the surface every 15 feet to clearly mark its boundaries. Vegetation on and surrounding the surface shall be maintained such that said reflectors are visible at all times.
4. Sod is not permitted to be placed over the drivable base.
5. If the surface proposed is to be used as the aerial apparatus access road for the facility, concrete curbing, or other approved edging, shall be installed along both sides of the portion to be used as such for enhanced lateral stability.
6. If sand or other free-flowing fill is used as a main structural component for the surface, concrete curbing or other approved edging shall be installed along both sides of the surface for material containment.
7. The surface shall be maintained in proper working order at all times when utilized as a required fire lane. Should the surface become damaged or fall into disrepair, the Fire Code Official or his designee shall be authorized to require the repair and recertification of said surface at the expense of the owner or entity in charge of maintaining the surface.

[Amend] 503.2.4 Turning Radius. The required turning radius of a fire apparatus access road shall not be less than 25 feet inside or 50 feet outside.

Exception: Radius less than 25 feet inside or 50 feet outside as approved by the fire code official.

[Add] 503.7 Fire Code Official Authority to Designate and Enforce Fire Lanes. The Fire Code Official is hereby authorized to designate fire lanes on designated premises where such areas must be free of parked vehicles and other obstructions to provide ready access to buildings therein, in case of fire or other emergencies. The Fire Code Official's designation of such fire lanes does not prohibit the owner of such property of their responsibility to maintain the area. Further, owners of the private property or their designated representative may request that additional fire lanes be designated by the Fire Code Official.

503.7.1 Summons or Citation Issued for a Fire Lane Obstruction Violation. A citation, summons or notice to appear in answer to a charge of obstructing a fire lane in violation of this section specifying the location of the fire lane in which such violation occurred and the date and time of such violation, may be issued by any police officer, fire code official, or city employee charged with enforcing the code of ordinances of the City of Bastrop.

503.7.2 Removal of Vehicle by Property Owner. Except an authorized emergency vehicle, the owner of private property, or their agent, may have any motor vehicle that is parked in a legally designated fire lane removed and stored at either their own expense or that of the vehicle operator. The owner of the premises, or their agent, who has a vehicle removed and stored, is not liable for damages incurred as a result of removal or storage, if the vehicle is removed by a vehicle wrecker service insured against liability for property damage incurred in towing vehicles and is stored by a storage company insured against liability for property damage incurred in the storage of vehicles.

503.7.3 Removal of Vehicle by Fire Code Official. Any vehicle parked in any designated fire lane may be removed at the vehicle owners' expense upon the authorization of the Fire Code Official under the following conditions:

1. When the vehicle violates city code of ordinances by standing or parking a vehicle, whether occupied or not, except momentarily to pick up or discharge a passenger or passengers, in a fire lane or fire zone, or
2. When a vehicle blocks the ingress/egress of a business, theater, night club, apartment complex, gymnasium or a place of assembly, or
3. When a vehicle's presence threatens the life safety of the public by impeding the ability of the fire apparatus and emergency medical equipment to respond to an emergency.

The Fire Code Official shall cause such vehicle to be removed by the towing service operating under a contract with the City of Bastrop.

503.7.4 Abandonment of Fire Lane. No owner, manager or person in charge of any premises served by a required fire lane shall abandon or close any such fire lane without the written permission of the Fire Code Official.

[Amend] 505.1 Address identification. New and existing buildings shall have approved address numbers, building and/or suite identification or be provided with approved building address identification. The address identification shall be legible and placed in a position that is visible from the street or road fronting the property. Address identification characters shall contrast with their background. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall not be spelled out. Address characters shall be not less than 8 inches high for commercial occupancies and 4 inches high for residential (Group R-3 occupancy), with a minimum stroke width of ½ inch. For buildings with individual suites, the suite numbers shall be a minimum of 4 inches high with a minimum stroke width of ½ inch. Where required by the fire code official, address identification shall be provided in additional approved locations to facilitate emergency response. Where access is by means of a private road and the building cannot be viewed from the public way, a monument, pole or other sign or means shall be used to identify the structure. Address numbers shall be maintained.

[Add] 505.3 Tenant identification. Each occupied tenant space provided with a secondary exit to the exterior or exit corridor shall be provided with tenant identification by business name and address. Letters and numbers shall be posted on the corridor side of the door, plainly legible and shall contrast with their background.

[Amend] 506.1 Where required. Where access to or within a structure or an area is restricted because of secured openings or where immediate access is necessary for life saving or firefighting purposes, the fire code official is authorized to require a key box to be installed at an approved location. Additional key boxes may be required as determined by the fire code official. The key box shall be manufactured by Knox Company, keyed for use by the Bastrop Fire Department, and shall contain keys necessary to gain access as required by the fire code official.

[Add] 506.1.1.1 Electronic gates. Electric gates across fire access roadways shall be equipped with a Knox Key Switch. The Key Switch shall be located on a keypad pedestal or as approved by the Fire Code Official.

[Add] 506.1.1.2 Electrical Disconnect/Chain Access. In the event of a power failure, the gate shall open by means of an electrical power disconnect switch in a weatherproof box. The gate shall be capable of being physically disconnected from the operating mechanism from either side of the gate. Slider gate chains shall have access to cut and release the gate from the opener mechanism from either side. Swing gates shall have a pin in the swing arm mechanism secured by a Knox Padlock. The padlock shall be accessible from either side of the gate. Gates that are not in proper operating condition shall be chained and locked in an open position.

[Amend] 507.4 The fire code official shall be notified prior to the water supply test. Water supply tests shall be conducted by the fire department prior to final approval of the water supply system.

[Amend] 507.5.1 Exception #2. For buildings equipped throughout with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2, the distance shall be 500 feet.

[Amend] 507.5.1.1 Hydrant for standpipe systems and fire department connections. If a building is required to have an automatic sprinkler system installed in accordance with this code, or a standpipe system installed in accordance with Section 905, a fire hydrant shall be located within 100 feet of the Fire Department Connections as required in 912.8.

[Amend] 901.5 Installation Acceptance Testing. Fire detection and alarm systems, fire extinguishing systems, fire hydrant systems, fire standpipe systems, fire pump systems, private fire service mains and all other fire protection systems and appurtenances thereto shall be subject to acceptance tests as contained in the installation standards and as approved by the Fire Code Official. The Fire Code Official shall be notified before any required acceptance testing. A representative of the Fire Department shall witness all required acceptance tests for all these systems.

[Amend] 901.8 Removal of or tampering with equipment. It shall be unlawful for any person to remove, tamper with or otherwise disturb any fire hydrant, fire detection and alarm system, fire suppression system or other fire appliance required by this code except for the purposes of extinguishing fire, training, recharging or making necessary repairs or where approved by the fire code official. No person shall reset/restore an activated fire alarm system unless directed by the fire department.

[Amend] 903.2.11.3. Buildings 3 stories or more in height. An automatic sprinkler system shall be installed throughout buildings that have 3 or more stories above the lowest level of fire department vehicle access.

[Add] 907.2.6.4 Group I-4 Occupancies. Group I-4 occupancies shall be equipped with a manual fire alarm system and automatic smoke detection system installed throughout the building.

[Amend] 912.5 Signs. The fire department connection shall be indicated by an approved sign. Such sign shall be a red 12 inch by 12 inch, all weather sign with 6 inch white reflective lettering, stating "FDC". The sign shall be mounted no less than 3 feet above the FDC connection, providing an unobstructed view from the fire department access roadway, to include consideration to future vegetative growth. If needed, an arrow can be used to identify the location of the FDC. Such sign shall be subject to the approval of the Fire Code Official. The Fire Code Official is permitted to require additional signage where necessary to facilitate rapid location of the FDC.

[Add] 912.8 Fire Department Connection Specifications. Sprinkler system and standpipe fire department hose connections shall be as follows:

1. Fire Department Connections shall be a 5 inch "Storz" connection, unless the Fire Code Official determines there is a need for a different arrangement
2. The 5 inch "Storz" inlet shall be installed on a 30 degree elbow, angle pointing down
3. Located no more than 30 feet from a public street, approved fire lane, or access roadway
4. Within 100 feet of an approved fire hydrant measured as the hose would be laid along a fire department apparatus roadway.
5. Minimum 30 inches (762 mm) at lowest point above finished grade and a maximum of 4 feet above finished grade measured from the bottom of the 5 inch "Storz"
6. The Fire Code Official shall approve the location of freestanding fire department connections (remote connections). Freestanding FDC's must be physically protected against impact per the requirements of Section 312.
7. Fire department connections for H occupancies will be freestanding (remote connections) and located as determined by the Fire Code Official
8. Fire Department Connections shall be equipped with locking caps, manufactured by the Knox Company, keyed for use by the Bastrop Fire Department.

[Add] 912.8.1 Fire Department Connection Signage. All FDC signage shall be made of all-weather material, red 12 inch by 12 inch, with 6 inch white reflective lettering, stating "FDC". The sign shall be mounted no less than 3 feet above the FDC connection, providing an unobstructed view from the fire department access roadway, to include consideration to future vegetative growth.

[Amend] Table 1004.5 Maximum Floor Area Allowances Per Occupant

Function of Space	Occupant Load Factor (Floor Area in Square Feet Per Occupant)
Accessory storage areas, mechanical equipment room.	300 Gross
Agricultural Building	300 Gross
Aircraft Hangars	500 Gross
Airport Terminal Baggage Claim Baggage Handling Concourse Waiting Area	20 Gross 300 Gross 100 Gross 15 Gross
Assembly Gaming Floors (Keno, Slots, etc.) Exhibit Gallery and Museum	11 Gross 30 Net
Assembly with Fixed Seats	See Section 1004.4
Assembly without Fixed Seats Concentrated (Chairs Only – Not Fixed) Standing Space Unconcentrated (Tables and Chairs)	7 Net 5 Net 15 Net
Bowling Centers, Allow 5 Persons for Each Lane including 15 Feet of Runway, and for Additional Areas	7 Net
Business Areas Concentrated Business Use Areas	100 Gross See Section 1004.8
Courtrooms – other than Fixed Seating Areas	40 Net
Day Care	35 Net
Dormitories	50 Gross

Educational Classroom Area Shops and Other Vocational Room Areas	20 Net 50 Net
Exercise Rooms	50 Gross
Group H-5 Fabrication and Manufacturing Areas	200 Gross
Industrial Areas	100 Gross
Institutional Areas Inpatient Treatment Areas Outpatient Areas Sleeping Areas	240 Gross 100 Gross 120 Gross
Kitchens, Commercial	200 Gross
Library Reading Rooms Stack Area	50 Net 100 Gross
Locker Rooms	50 Gross
Mall Buildings – Covered and Open	See Section 402.8.2 of the International Building Code
Mercantile Storage, Stock, Shipping Areas	60 Gross 300 Gross
Parking Garages	200 Gross
Residential	200 Gross
Skating Rinks, Swimming Pools Rink and Pool Decks	50 Gross 15 Gross
Stages and Platforms	15 Net
Warehouses	500 Gross

[Amend] Chapter 80 – Referenced Standards

NFPA

02 – 2016 Edition – Hydrogen Technologies Code

03 – 2018 Edition – Standard for Commissioning of Fire Protection and Life Safety Systems

04 – 2015 Edition – Standard for Integrated Fire Protection and Life Safety System Testing
10 – 2018 Edition – Standard for Portable Fire Extinguishers
11 – 2016 Edition – Standard for Low-, Medium-, and High-expansion Foam
12 – 2015 Edition – Standard on Carbon Dioxide Extinguishing Systems
12A – 2015 Edition – Standard on Halon 1301 Fire Extinguishing Systems
13 – 2016 Edition – Standard for the Installation of Sprinkler Systems
13D – 2016 Edition – Standard for the Installation of Sprinkler Systems in One- and Two-family Dwellings and Manufactured Homes
13R – 2016 Edition – Standard for the Installation of Sprinkler Systems in Low-rise Residential Occupancies
14 – 2016 Edition – Standard for the Installation of Standpipe and Hose Systems
15 – 2017 Edition – Standard for Water Spray Fixed Systems for Fire Protection
16 – 2015 Edition – Standard for the Installation of Foam-water Sprinkler and Foam-water Spray Systems
17 – 2017 Edition – Standard for Dry Chemical Extinguishing Systems
17A – 2017 Edition – Standard for Wet Chemical Extinguishing Systems
20 – 2016 Edition – Standard for the Installation of Stationary Pumps for Fire Protection
22 – 2018 Edition – Standard for Water Tanks for Private Fire Protection
24 – 2016 Edition – Standard for Installation of Private Fire Service Mains and Their Appurtenances
25 – 2017 Edition – Standard for the Inspection, Testing, and Maintenance of Water-based Fire Protection Systems
30 – 2018 Edition – Flammable and Combustible Liquids Code
30A – 2018 Edition – Code for Motor Fuel-dispensing Facilities and Repair Garages
30B – 2015 Edition – Code for the Manufacture and Storage of Aerosol Products
51B – 2014 Edition – Standard for Fire Prevention During Welding, Cutting, and Other Hot Work
54 – 2018 Edition – National Fuel Gas Code
55 – 2016 Edition – Compressed Gases and Cryogenic Fluids Code
58 – 2017 Edition – Liquefied Petroleum Gas Code
70 – 2017 Edition – National Electric Code
72 – 2016 Edition – National Fire Alarm and Signaling Code
501A – 2018 Edition – Standard for Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities
914 – 2019 Edition – Code for the Protection of Historic Structures
2001 – 2015 Edition – Standard on Clean Agent Fire Extinguishing Systems
2010 – 2015 Edition – Standard for Fixed Aerosol Fire Extinguishing Systems