

Tamarac Fire Rescue



Minimum Standards and Details



TAMARAC FIRE RESCUE DEPARTMENT
 FIRE PREVENTION BUREAU
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SITE PLAN REVIEW CHECKLIST

A goal of the *Tamarac Fire Rescue Department* is to provide fire protection to people and property within the *City*.

Fire protection through site planning, building construction, early warning and suppression systems, and preplanning contribute to this goal.

The effectiveness of fully automatic fire sprinkler systems, early detection, and warning systems has been proven to save lives. The *Tamarac Fire Rescue Department* strongly recommends that you include these systems in your project where this is not a requirement by code.

This guide is provided to assist you in planning your development. Commonly used code sections are listed. However, this guide does not include all applicable codes and standards. If questions arise after reviewing the material that pertains to the fire protection of your project, please contact the Fire Prevention Bureau at (954) 597-3800.

The most recently adopted editions and revisions of the codes below are currently used in Tamarac and are referenced in this guide.

ABBREVIATION CODE	FULL CODE TITLE
FSS	Florida State Statute
UFSR	Uniform Fire Safety Rules and Standards
NFPA	National Fire Protection Association
CC	Tamarac City Code
BCA	Broward County Amendments To The Florida Fire Prevention Code

TAMARAC FIRE RESCUE SITE PLAN CHECK LIST

I. General Requirements:

1. All addresses on commercial buildings shall be placed on front and rear of all properties in minimum 6" numerals, contrasting with their background.
NFPA 1:10.11.1.4
2. All addresses on residential buildings shall be placed on front properties in minimum 4" numerals, contrasting with their background.
NFPA 1:10.11.1.4 & CC 5-51(3)
3. All monument signs shall be provided with a minimum 6" address numerals, contrasting with their background.
NFPA 1:10.11.1.5
4. Tamarac Fire Rescue may require placing a Knox Box on the site.
NFPA 1:18.2.2.1
5. Structure is required to be marked with approved firefighter safety warning signs in accordance with Florida Administrative Code 69A-60.0081
6. A Preliminary Initial Assessment using IB Wave software shall be used to determine the signal strength for the public safety radio system. FFPC 11.10 and BCA F-118 (building code)
7. Indicate any proposed gas or fuel tanks/lines to be on the property. If tanks are proposed, provide setbacks/dimensions.

II. Water Supplies

1. Water supply systems either existing or proposed, to be constructed by the developer, shall be adequate to meet the fire protection needs and shall be installed prior to the issuance of a building permit other than models. NFPA 1:18.3.1
2. Fire flow tests shall be required for all new construction or when existing systems are being modified. Fire flow calculations shall be compliant with NFPA codes and standards. NFPA 1:18.4

Note: Fire Flow Test is required and to be witnessed by the Tamarac Fire Rescue and Engineering Department. Please call 954-597-3800 to schedule a time.

3. Show all existing and proposed fire hydrants, fire department connections, and backflow locations on the site plan. Indicate vehicle protection.

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4. A permanent fire protection water supply system shall be functional prior to combustibles being brought on-site.
5. For residential projects, fire hydrants shall be placed on lines six (6) inches or larger in diameter and shall be spaced so that the furthest portion of all principal buildings or dwelling units therein, and all buildings areas of site plan and parcels are within three hundred (300) feet of a hydrant as a FIRE HOSE IS NORMALLY DEPLOYED. Tamarac City Ordinance
6. Main size for all other types of developments other than residential shall be a minimum of 8 inches in diameter. Tamarac City Ordinance
7. For all other types of development other than residential, fire hydrants shall be spaced so that the furthest exterior portion of a building is within 200 feet of a hydrant as a FIRE HOSE IS NORMALLY DEPLOYED. Tamarac City Ordinance
8. All fire hydrants shall deliver the required fire flow gallonage with a residual pressure of 20 psi.
9. A fire hydrant shall be installed within 50 feet of the fire department connection.
10. Hydrants shall be located not less than 40 feet from the buildings to be protected unless approved by the AHJ. NFPA 24:7.2.3
11. Fire hydrants shall be located not more than 12 feet from the fire department access road. NFPA 1:18.5.1.6
12. A 60 inch clear space shall be maintained in front of and a 36 inch clear spaced around the sides and back of fire hydrants. NFPA 1:18.5.7.2
13. Buildings shall be designed, located, and constructed to provide reasonable access to the building for emergency responders. NFPA 4.1.3.1.2.4
14. Road pavement markers shall be installed per the Tamarac Fire Rescue specifications to denote the location of all fire hydrants and fire department connections (blue for hydrants and red for fire department connections).
15. Standpipes shall be provided in all buildings in which the highest floor is greater than 30 feet above the lowest level of fire department vehicle access. NFPA 1:13.2.2.2

III. Fire Access Roads

Note: A Fire Access Road is a road, path or other means developed to allow access and operational setup for firefighting and rescue apparatus. FFPC 3.3.117

1. A Fire Department access road shall extend to within 50 feet of at least one single exterior door that can be opened from the outside and that provides access to the interior of the building. NFPA 1:18.2.3.2.1
2. Where a one or two-family dwelling, or townhouse is protected with an approved automatic sprinkler system that is installed in accordance with NFPA 13D or 13R, as applicable, the distance in 18.2.3.2.1 shall be permitted to be increased to 150 feet. NFPA 1:18.2.3.1.1
3. Fire department access roads shall be provided such that any portion of the facility or any portion of an exterior wall of the first story of the building is located not more than 150 feet from fire department access roads as measured by an approved route around the exterior of the building or facility. NFPA 1:18.2.3.2.2
4. When buildings are protected with an approved automatic fire sprinkler system that is installed in accordance with NFPA 13, NFPA 13D, or NFPA 13R, the distance in 18.2.3.2.2 shall be permitted to be increased to 450feet. NFPA 1:18.2.3.2.2.1
5. Traffic limiting devices, including, but not limited to speed bumps, rumble strips and gates, must not create delays for emergency response vehicles. All traffic limiting devices must be approved by the AHJ. NFPA 1:18.2.3.4.7
6. Fire Lanes shall be marked with signs that are readily visible to the street with wording, "NO PARKING FIRE LANE BY ORDER OF THE FIRE DEPARTMENT" or similar wording. Such signs shall be 12 inch by 18 inch with a white background and red letters and shall be maximum of 7 feet in height from the roadway to the bottom part of the sign. The signs shall be within sight of the traffic flow and be a maximum of 60 feet apart. NFPA 1:18.2.3.5.3
7. A route shall be provided for all fire apparatus to have a forward means of exiting the drive with a minimum centerline turning radius of 50 foot, clear of all obstructions. NFPA 1:18.2.3.4.3.1
8. Dead end fire department access roads in excess of 150 feet in length shall be provided with approved provisions for the fire apparatus to turn around. NFPA 1:18.2.3.4.4
9. Fire department access roads shall have at least thirteen and a half feet of unobstructed vertical clearance, to allow for the passage of emergency vehicles. NFPA 1:18.2.3.4.1.2
10. The Fire Access Road shall be constructed of solid pavement, natural or concrete stones or by grass turf reinforced by concrete grids designed to accommodate fire apparatus weighing a minimum of 32 tons. BCA F-108.9.1

11. Fire lane striping shall be required by the AHJ and in front of all fire hydrants and fire department connections extending 10 feet in both directions of those appliances. The pavement shall be painted with parallel four-inch-wide yellow striped lines every 5 foot on center extending at least 3 feet from the edge of the pavement. NFPA 1:18.2.3.5.1
12. Fire department access roads shall have an unobstructed width of not less than 20 feet. NFPA 1:18.2.3.4.1.1
13. All manual security devices, if provided with locks, shall have Tamarac Fire Rescue approved locking devices. NFPA 1:18.2.2.1
14. Automatic security devices must have a Tamarac Fire Rescue approved key override, an audio (yelp) override system, a numerical keypad with an approved access code, and a back up system to allow for operation in the event of power failure. NFPA 1:18.2.2.2

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