



SPRING HILL FIRE CODE CHECKLIST

Utilize the following checklist as a guide only. The checklist is NOT a substitute for the Uniform Development Code (“UDC”) and only intends to summarize the UDC in a clear and cogent manner. To the extent that the checklist is in a conflict in any way with the UDC, the UDC takes precedence. It is incumbent upon the engineer of record to meet or exceed applicable UDC requirements, general engineering standards, and all applicable federal, state, and local laws and requirements.

Fire apparatus roads must be provided in accordance with the UDC 16.3.G and the IFC:

1. Fire Apparatus Access roads/Roadway Design:

Facilities, buildings, or portions of buildings hereafter constructed shall be accessible to fire department apparatus by way of a roadway capable of supporting the imposed load of fire apparatus weighing up to 75,000 pounds.

The roadways must be 25 feet wide, an inner turning radius of not less than 25 feet, an exterior turning radius of not less than 50 feet, a maximum 10% grade, and less than 150’ length max for dead ends. Temporary and permanent cul-de-sacs to have a 96’ minimum diameter.

Call out all overhead power lines.

2. Fire Lanes:

Fire Lanes shall be provided for every facility, building, or portion of the building and shall extend to within 150 feet of all portions of the building or any portion of the exterior wall of the first story of the building as measured by hard surface apparatus access road around the exterior of the building as measured by maximum hose distance.

3. Fire Lane Striping:

Fire apparatus access roads must be striped indicating fire lanes on the curbs. Provide at all major entrance/exit locations, fire hydrants, and fire department connections. **Provide details of striping and signage.**

4. Hydrants/Hydrant Lay:

Maximum hydrant spacing is 800’ by way of apparatus access roads. Where a portion of the facility or building is more than 400’ from a hydrant by way of hard surface road, on-site fire hydrants and mains shall be provided where required by the **AHJ. 2018IFC 507.5.1**. Provide hydrant-to-hydrant spacing with length.

5. Fire Department Connections:

An approved fire hydrant shall be located within 100 feet of the fire department connection as the fire hose lays along an unobstructed path on the same side of the road as the FDC. The fire department connection shall be provided in a location approved by the fire code official, within 50 feet of the fire lane, and unobstructed.

6. Note on Plans:

1. For external riser rooms and doghouses, a thermostat must be wired to the alarm panel triggering trouble alarms under 40° and above 110°. Permanent heater mount and hardwired, no portable heaters. Horn strobes for alarm activations, no bells or gongs. At the time of fire final: Signage, FDC, Riser Room, FACP, and Knox Box must be in place.



7. Standard Planning Review Comment for Auto-turn:

Please provide an Auto-turn plan using City of Spring Hill Fire Department Ladder Truck with travel around the site using all drive lanes called out and striped or signed per IFC Appendix D. Travel paths should begin outside the site illustrating the turn onto the primary entry road/drive, maneuvering around the site, and completed with an illustration demonstrating exiting the site.

If the path begins with a straight approach to the site, the review will be not accepted.

Paths must illustrate the full vehicle swept path (including wheel tracks and out-to-out vehicle overhang sweep) and must indicate a clear, unobstructed travel around the site without impact/collisions to buildings, curbs, landscaping, parking spaces, vehicles, etc.

The travel path must be designed with a minimum speed of 5 mph.

On the autoturn sheet, list/provide the following details: <https://www.springhilltn.org/DocumentCenter/View/9628>

Number of Front Axles 1
Front Track Width = 8.333'
Wheels on Each Front Axle = 2
Number of Rear Axles = 2
Rear Track Width = 8.333'
Wheel Base = 22.6' (Front Axle to Front Rear Axle)
Rear Axle Spacing = 4.750'
Body Length = 43.750'
Width = 8.333'
Rear Overhang = 11.2'
Body Style = Mid Mount
Turning Radius Wall to Wall = 43.4'

Design speed (no less than 5mph); if speed varies indicate points of change by notes/labels.
Include landscaping (from landscaping sheet(s)), parking spaces, building footprint, sidewalks, any obstructions that would impede vehicle travel such as dumpster enclosures gates, fences, posts, etc.

For legibility, the autoturn exhibit may require several smaller detail sections and/or additional sheets.